



Schaff

PIANO SUPPLY CO.

*For Professional Piano Technicians
And Music Merchants*

The House Dedicated To Service



A Brief History

1868

Gotthard and John A. Schaff started a piano manufacturing company in Chicago under the name of G. Schaff Bros.

1884

John A. Schaff decided to start a bass string manufacturing business. Chicago was becoming the center of production for many major piano companies and there was a large demand for quality bass strings.



1955

Robert E Johnson Sr., and Robert E. Johnson Jr., purchased the piano supply business from Continental Music, which was previously owned by Lyon & Healy. Lyon & Healy had originally purchased the Supply Company from Tonk Bros. Manufacturing.

1978

Herbert, David, and Stephen Johnson, sons of Robert E. Johnson Jr., decided to relocate Schaff Piano Supply Co. and Schaff Piano String Corp. to a new 58,000 square foot warehouse in Lake Zurich, IL.



1992

A 20,000 square foot addition was added for further expansion.

2000

Schaff Piano Supply Co. acquired American Piano Supply Co. and its division, John Schadler and Sons, located in Clifton, NJ, which included Tuners Supply Co. and the HALE name.



2007

The 6th generation is presently active in the management of Schaff Piano Supply Co. Currently, all tools are made in U.S.A.

We pride ourselves in being the largest stocked piano supply house in the world.



Schaff

PIANO SUPPLY CO.

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NON-CATALOGUED ITEMS

Our vast purchasing knowledge and many sources of supply can be of further advantage to you. If you are in need of ANY items not shown in this catalog, feel free to call on us to locate them. We have many domestic and foreign vendors and are happy to offer this further service.



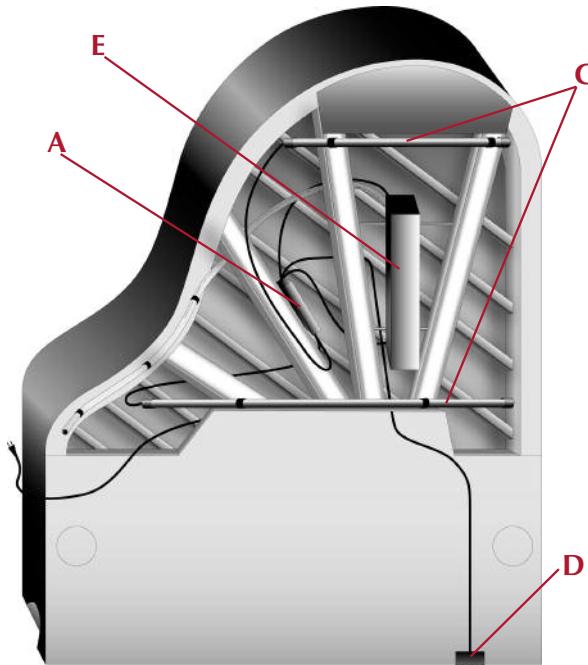
COMPLETE STANDARD SYSTEMS FOR GRAND PIANOS



A H-5 UNIVERSAL HUMIDISTAT



B WATERING CAN



D 2 LIGHT LED PANEL AND MODULAR "PADS" LIGHT



E UNIVERSAL HUMIDIFIER AND OPTIONAL SMART BRACKET

C DEHUMIDIFIER RODS



The following Systems are for Grands up to 6'10" in length:

G6-PS-38-SB - Grand 6-Part System with H-5 Humidistat, one 36", 38-watt primary Dehumidifier, one 24", 25-watt secondary Dehumidifier and a Universal Tank Humidifier with Smart Bracket. Each **THIS SYSTEM FITS ALL GRAND PIANOS.**

G6-PS-50-SB - Grand 6-Part System with H-5 Humidistat, one 48", 50-watt primary Dehumidifier, one 24", 25-watt secondary Dehumidifier and a Universal Tank Humidifier with Smart Bracket. Each

The following Systems are for Grands longer than 6' 10" in length:

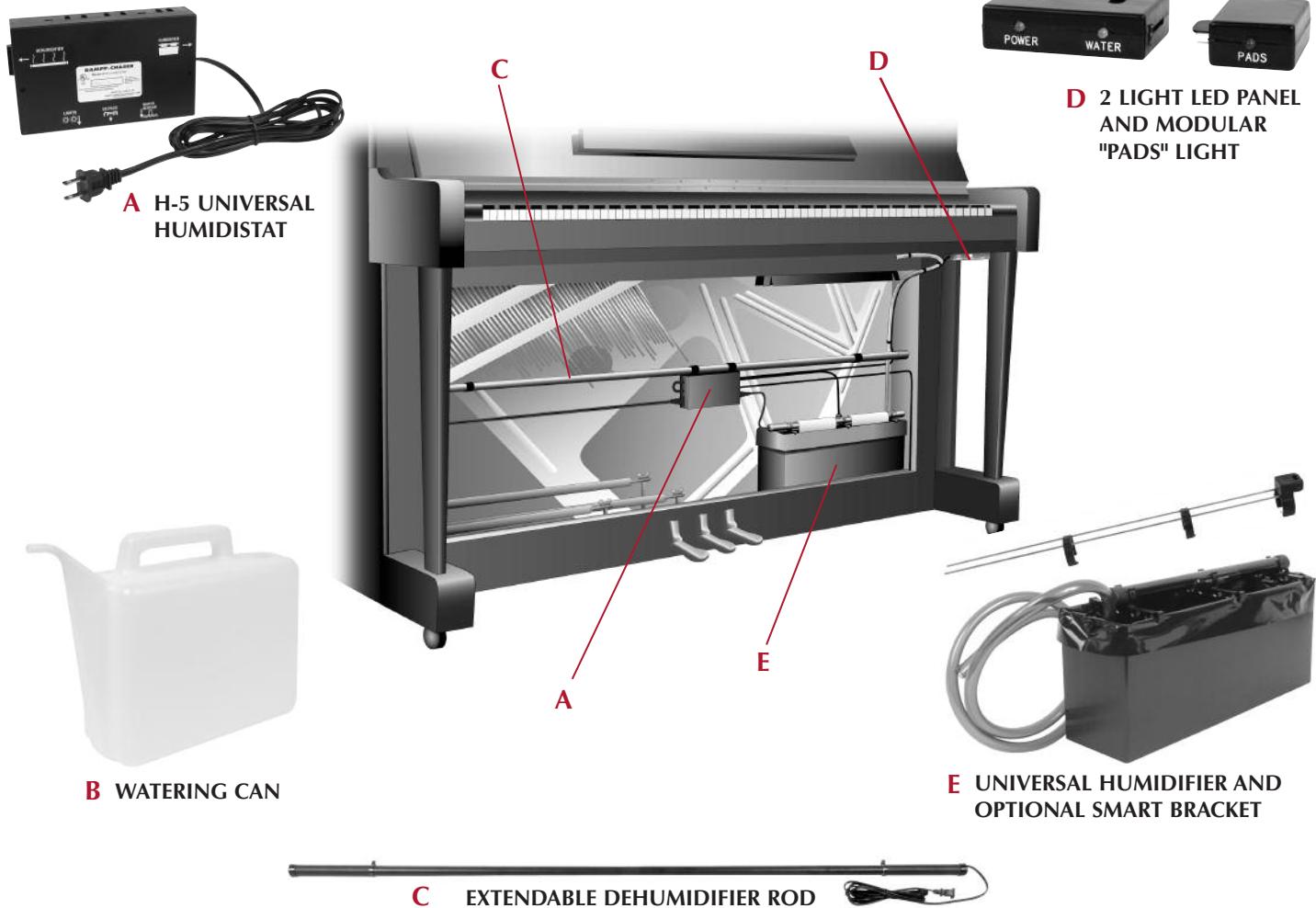
G7-PS-38-SB - Grand 7-Part System with H-5 Humidistat, one 36", 38-watt primary Dehumidifier, one 24", 25-watt secondary Dehumidifier and two Universal Tank Humidifiers with Smart Bracket. Each

G7-PS-50-SB - Grand 7-Part System with H-5 Humidistat, one 48", 50-watt primary Dehumidifier, one 24", 25-watt secondary Dehumidifier and two Universal Tank Humidifiers with Smart Bracket. Each

Each grand System comes with one 8 oz. bottle of Pad Treatment, 4 Humidifier Pads and necessary mounting hardware.



COMPLETE STANDARD SYSTEMS FOR VERTICAL PIANOS



5-PS-50-SB - 5-Part System with H-5 Humidistat, one extendable 48", 50-watt Dehumidifier and one Universal Tank Humidifier with Smart Bracket. Each **OUR RECOMMENDED CHOICE FOR MOST VERTICAL PIANOS.**

BSV8PS-SB - Backside Vertical 8-Part System includes three 18"-18 watt Dehumidifiers and two Humidifiers installed in the back of the piano. Acoustic Cloth backcover included. For use with Steinway uprights, player pianos, Disklaviers and any other vertical piano where the front is so narrow it will not accommodate a Humidifier tank. This System is ONLY AVAILABLE with Smart Bracket. Each

Each vertical System comes with one 8 oz. bottle of Pad Treatment, 4 Humidifier Pads and necessary mounting hardware.

PIANO LIFE SAVER COMPONENTS & ACCESSORIES

UNIVERSAL HUMIDIFIER PACKAGES

No. HM-5-SB - Complete Humidifier kit for upright and grand pianos up to 6'10". Includes an H-5 Humidistat, Low Water Sensor, 2 light LED Panel, Watering Can and Smart Bracket. Each

No. HM-5DUAL-SB - Complete Dual Humidifier kit for grand pianos longer than 6'10". Includes an H-5 Humidistat, Low Water Sensor, 2 light LED Panel, Watering Can and Smart Bracket. Each (not shown)

**All Humidifier packages come with 1 each 8 oz. bottle of Pad Treatment, 4 Humidifier Pads and necessary mounting hardware.



SMART BRACKET

Easily convert any System to a Smart System. Simply snap onto the Heater Bar and connect to the Humidistat (H-5 only). Each Smart Bracket comes with a "PADS" light which can be modularly added to the 2 Light LED Panel.

No. SB - Smart Bracket. Each



UNIVERSAL HUMIDISTATS (DEHUMIDIFICATION ONLY)

Senses the level of relative humidity and activates the Dehumidifier as needed. Accommodates two Dehumidifiers. Hardware included.

No. H-D - Universal Humidistat. Each

PAD TREATMENT

Humidifier additive formulated to reduce mineral build-up. Keeps Watering Tube clean and clear. Prolongs Humidifier Pads.

No. HT - 7.5 oz Pad Treatment. Each

No. HT-16 - 16 oz Pad Treatment. Each



HUMIDIFIER PADS

No. UHP-4 - 4 Replacement Humidifier Pads, 1 black liner and 1 clear liner. Pkg of 4.

No. UHP-48 - 48 Replacement Humidifier Pads, 12 black liners and 12 clear liners. Pkg of 48.

UNIVERSAL DUAL HUMIDISTAT

Senses the level of relative humidity, and activates either the Dehumidifier or Humidifier, as needed. Hardware included. (not shown)

No. H-5 - Universal Humidistat (Grand or Vertical). This Humidistat is found in all complete Grand and Vertical Systems as well as each Universal Humidifier Packages. Includes 2 Light LED Panel. Each



HYGROMETER

This white, wall or desk mountable Hygrometer displays the temperature and humidity in either Fahrenheit or Centigrade. Measures 4" x 2.5" x .5" and includes one AAA Battery.

No. HG-DDM - Hygrometer. Each

DEHUMIDIFIER RODS

STOCK #	LENGTH	WATTAGE	EXTENDABLE ROD	CORD LENGTH
48-50A	48"	50	YES	6'
48-50	48"	50		6'
48-35A	48"	35	YES	6'
48-35	48"	35		6'
48-25A	48"	25	YES	6'
48-25	48"	25		6'
48-25A-10	48"	25	YES	10'
48-15A	48"	15	YES	6'
36-38	36"	38		6'
36-38A	36"	38	YES	6'
2907F	36"	25		6'
2905F	36"	15		6'
24-25	24"	25		6'
2903F	18"	12		6'
2901F	12"	8		6'

Note: The manufacturer requires that the H-D Humidistat be used with all 48" dehumidifiers greater than 15-watts.

GREAT VALUE - 3 PACK

3 Humidistats plus 3 - 48" Dehumidifier Rods.
All are adjustable to fit either vertical or grand pianos.

- 3P25A** (3ea H-D + 3ea 48-25A) Each
- 3P35A** (3ea H-D + 3ea 48-35A) Each
- 3P38A** (3ea H-D + 3ea 36-38A) Each
- 3P50A** (3ea H-D + 3ea 48-50A) Each

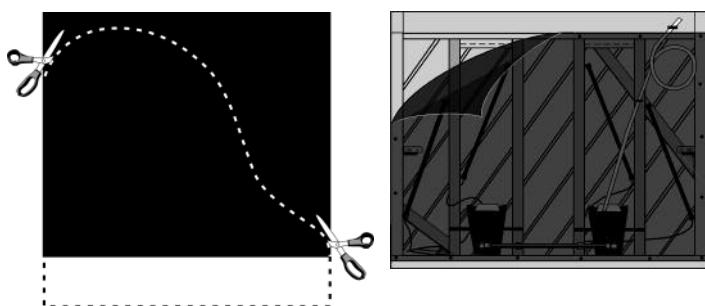
UNDERCOVERS

GRAND UNDERCOVERS AND VERTICAL BACKSIDE COVER

This separate component helps hide the climate control system while providing a more stable environment inside the piano.

No. GUS/BSC - Small (fits all grands up to 5'11") and Vertical Backside Cover. Each

No. GUM - Medium (fits grands 6'0" through 7'3"). Each
No. GUL - Large (fits grands 7'4" through 9'6"). Each



BARNES UNDERCOVERS

- UC-V-1** Vertical #1 (for uprights 35"- 40") Each
- UC-V-2** Vertical #2 (for uprights 40"- 45") Each
- UC-V-3** Vertical #3 (for uprights 45"- 50") Each
- UC-V-4** Vertical #4 (for uprights 50"- 55") Each
- UC-B-156** Boston 156 Each
- UC-B-163** Boston 163 Each
- UC-K-RX-1** Kawai RX-1 Each
- UC-K-RX-2** Kawai RX-2 Each

- UC-S-A** Steinway A Each
- UC-S-B** Steinway B Each
- UC-S-L** Steinway L Each
- UC-S-M** Steinway M Each
- UC-S-O** Steinway O Each
- UC-S-S** Steinway S Each

- UC-Y-C1/GC1** Yamaha C1/GC1 Each
- UC-Y-C2** Yamaha C2 Each
- UC-Y-C3** Yamaha C3 Each
- UC-Y-C6** Yamaha C6 Each
- UC-Y-C7** Yamaha C7 Each
- UC-Y-GB1** Yamaha GB1 Each

If you do not see what you need on this list, contact us for special order or to have custom-made.

PIANO LIFE SAVER COMPONENTS & ACCESSORIES



UNIVERSAL HUMIDIFIER TANK

Includes hardware and liner.

No. DC50972 - Humidifier Tank. Each



FIELD REPLACEMENT KIT

Kit includes one of the following: Low Water Sensor, Smart Bracket, Two-Light Panel, and Single-Light Cube. For new H-5 Systems only.

No. FRK - Field Replacement Kit. Each



UNIVERSAL HUMIDIFIER HEATER BAR

No. DC50657 - Heater Bar. Each



UNIVERSAL WATERING CAN

No. DC59030 - Universal Water Can. Each



SUPPORT TUBES

Pair of Support Tubes for Grands without beams.

No. 36A - Support Tubes. Pair



UNIVERSAL WATERING KIT

Watering Kit with Universal Can, 1/2" diameter Watering Tube.

No. WK-UT - Universal Watering Kit. Each



WATERING KIT (PRE-UNIVERSAL)

Watering Kit for pre-Universal Humidifiers, with adapter that converts 1/2" diameter tube to old tube diameter of 5/16".

No. DC72611 - Pre-Universal Watering Kit. Each

12 - PAGE PROMOTIONAL BROCHURE

(not shown)

No. DC-12PB - 12-Page Promotional Brochure. Each

Please see our webstore for miscellaneous component parts not shown. www.schaffpiano.com

GRAND PIANO COVERS

These quality covers are sewn in our modern shop using only the finest of materials. Covers are available in Black Mackintosh. (A combination of heavy drill cloth bonded to a soft kasha flannel backing.) On a special order basis, covers can be made from our heavy duty padded material. Please call for pricing.

MISCELLANEOUS GRAND COVERS

27R 4'6"	All makes	Each
27R 4'8"	All makes	Each
27R 4'10"	All makes	Each
27R 5'0"	All makes	Each
27R 5'4"	All makes	Each
27R 5'6"	All makes	Each
27R 5'10"	All makes	Each
27R 6'0"	All makes	Each
27R 6'8"	All makes	Each

BOSTON

27BS 5'1"	—	Each
27BS 5'4"	GP-163	Each
27BS 5'10"	GP-178	Each
27BS 6'4"	GP-193	Each
27BS 7'1"	GP-215	Each

BALDWIN

27B 5'2"	Style M	Each
27B 5'8"	Style R	Each
27B 6'3"	Style L, C, K	Each
27B 7'0"	Style F	Each
27B 9'0"	Style D	Each

KAWAI

27KW 4'9"	Style GM-1	Each
27KW 5'1"	Style GE-1	Each
27KW 5'4"	Style RX-1	Each
27KW 5'7"	Style GE-2	Each
27KW 5'10"	Style RX-2, & GE-3	Each
27KW 6'1"	Style RX-3	Each
27KW 6'5"	Style RX-5, & RX-A	Each
27KW 7'0"	Style RX-6	Each
27KW 7'6"	Style RX-7	Each
27KW 9'1"	Style EX	Each

KIMBALL

27KI 4'5"	Style B	Each
27KI 5'0"	Style D	Each
27KI 5'7"	Style G	Each
27KI 6'5"	Style L	Each
27KI 8'9"	Style M	Each

WM. KNABE & SONS

27KN 5'1"	Style 400	Each
27KN 5'4"	Style 405	Each
27KN 5'8"	Style 410	Each
27KN 6'4"	Style 415	Each
27KN 7'6"	—	Each
27KN 9'0"	Style D	Each



MASON & HAMLIN

27MH 5'4"	Style B	Each
27MH 5'8"	Style A	Each
27MH 6'2"	Style AA	Each
27MH 7'0"	Style BB	Each
27MH 9'0"	Style CC Concert	Each

STEINWAY

27S 5'1"	Style S	Each
27S 5'7"	Style M	Each
27S 5'10-1/2"	Style L	Each
27S 6'4-1/2"	Style A	Each
27S 6'11"	Style B	Each
27S 9'0"	Style D Concert	Each

YAMAHA

27Y 4'11"	—	Each
27Y 5'3"	Style G1B	Each
27Y 5'8"	Style G2D	Each
27Y 6'1"	Style G3D or C3	Each
27Y 6'7"	Style G5D or C5	Each
27Y 6'11"	Style C6	Each
27Y 7'6"	Style C7	Each
27Y 9'0"	Style CF	Each

YOUNG CHANG

27YC 4'11"	Style G150	Each
27YC 5'2"	Style G157	Each
27YC 5'9"	Style G175	Each
27YC 6'1"	Style G185	Each
27YC 7'0"	Style G213	Each
27YC 9'0"	Style G275	Each

SPECIAL GRAND COVERS (not stocked)

Special covers can be made to specifications, for complete information see below.

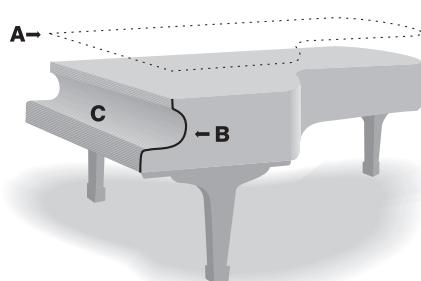
PARTICULARS REQUIRED FOR ORDERING

These covers can be made from black mackintosh or black quilted material.

A) Join up a paper and trace a pattern around the entire top of grand. Extreme outside dimensions.

B) Trace a pattern of cheek from under top to bottom of cheek.

C) Send Manufacturer's name, serial number & style. Also give overall measurement from front of keys to extreme end.



VERTICAL COVERS

UPRIGHT PIANO COVERS

Closed Back

23-CB4'0"	Each
23-CB4'2"	Each
23-CB4'4"	Each
23-CB4'6"	Each
23-CB4'8"	Each
23-CB4'10"	Each



STUDIO UPRIGHT PIANO COVERS

Closed Back

23M-CB3'7"	Each
23M-CB3'8"	Each
23M-CB3'10"	Each

SPINET PIANO COVERS

Closed Back

23A-CB3'0"	Each
23A-CB3'4"	Each

BENCH COVERS

Our bench covers are made of the same high quality Mackintosh material described on page 7. They are ideal for use on piano & organ benches in salesrooms, where benches are subject to heavy use. Also for showrooms, schools, and auditoriums. We can manufacture ANY bench size desired, simply specify exact size of bench. If bench has a contour, it is necessary that we have a paper pattern of the top.

All benches have a 7" drop on sides. Any size.

No. 7925 Bench cover. Each

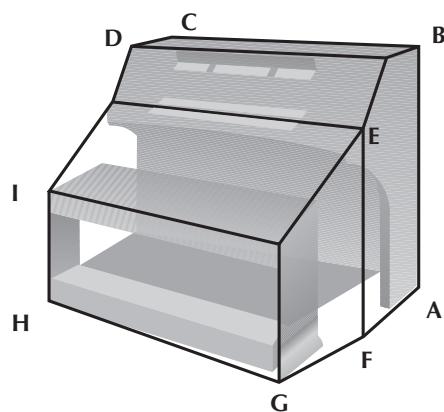


CUSTOM ORGAN COVERS - WE DO NOT STOCK ORGAN COVERS. ALL ARE MADE TO ORDER. WE MAINTAIN A LARGE FILE OF DIMENSIONAL INFORMATION ON MANY ORGANS. WHEN POSSIBLE, SUPPLY MAKE & MODEL NUMBER AND DIMENSIONS PER THE SKETCH BELOW. PRICING WILL BE SUPPLIED UPON REQUEST.

TONE CABINET COVERS - SEND DIMENSIONAL INFORMATION OR MANUFACTURER'S NAME AND MODEL NUMBER, PRICING WILL BE SUPPLIED UPON REQUEST.

INDICATE THE FOLLOWING DIMENSIONS

- AB** Height (without music desk)
- BC** Width
- CD** Depth of top
- AF** Depth of console to front of keyboard
- EF** Distance from top of side cheek at extreme front of Console to floor
- FG** Distance along floor from point below corner of extreme front of Console to rear of bench
- HI** Height of bench
- GH** Width of bench



PIANO COVERS

PADDED GRAND COVERS

Protects grand pianos in assembly halls, etc. Constructed of heavy-duty black close-weave duck, padded with cotton filling, flannel lined and quilted in 4" diamond pattern with nylon thread. Water resistant. This is not a commercial padding material, but is made exclusively to our specifications.



AVAILABLE IN THE FOLLOWING
SIZES WITHOUT D-RINGS
OR STRAPS:

No. 48-5'2" Grand Cover. Each
No. 48-5'8" Grand Cover. Each
No. 48-6'0" Grand Cover. Each
No. 48-6'3" Grand Cover. Each
No. 48-6'7" Grand Cover. Each
No. 48-7'0" Grand Cover. Each
No. 48-7'5" Grand Cover. Each
No. 48-9'0" Grand Cover. Each

AVAILABLE IN THE FOLLOWING
SIZES WITH ROPE TIES:

No. 48A-5'2" Grand Cover. Each
No. 48A-5'8" Grand Cover. Each
No. 48A-6'0" Grand Cover. Each
No. 48A-6'3" Grand Cover. Each
No. 48A-6'7" Grand Cover. Each
No. 48A-7'0" Grand Cover. Each
No. 48A-7'5" Grand Cover. Each
No. 48A-9'0" Grand Cover. Each

**Also available with 3 straps and "D" rings for locking cover to pianos. Please inquire about price and availability.

PADDED UPRIGHT COVERS

Constructed of heavy-duty black close-weave duck, padded with cotton filling. Flannel lined and quilted in 4" diamond pattern with nylon thread. Fitted with slits in back for hand holds. Closed Backs.

No. 4-4'10" - Uprights. Each
No. 4-4'6" - Uprights. Each
No. 4-4"2" - Uprights. Each
No. 3-3'10" - Studio Uprights. Each
No. 3-3'8" - Studio Uprights. Each
No. 1-3'4" - Spinets. Each
No. 1-3'0" - Spinets. Each



PADDED MOVER'S COVER FOR GRAND PIANOS (padded long side only)

For use with a Grand skidboard to assure protection of the long sides. Constructed of black heavy close-weave duck, water resistant, and lined with canton flannel. The long side is well padded with cotton padding so that the grand may be tipped. Furnished with two strong ropes.

No. 49 - Grands up to 7'0". Each
No. 49A - Grands 7'0" to 9'0". Each



MOVER'S ACCESSORIES

PADDED ORGAN / MOVER'S COVERS

Now available from our own shop, the finest quality heavy-duty padded mover's covers. Assures protection in delivery. Constructed of heavy-duty close-weave duck, padded with cotton filling, flannel lined and quilted in a 4" diamond pattern. Water resistant. This is not a commercial padding material, but is made exclusively to our specifications.

No. 852 - For all spinet model organs. Each
No. 853 - For all console full pedal organs. Each
No. 854 - For all concert size organs. Each
No. 855 - Pedal Board Cover. Each



BENCH COVER

Eliminates the time and expense of wrapping legs and padding tops of piano benches.

No. 827 - Canvas Bench Cover. Each



LOADING PADS

Heavy dark blue drill on one side, light blue on the other. Filled with burlap-kersey (jute kersey needled into burlap base) for superior padding. Securely quilted in 3" squares with heavy thread in over 550 small pillows. The small squares prevent tears from spreading, and helps when folding around furniture. Heavy binding all around for extra wear; bar-tacked at each corner. Size listed is cut size before quilting.

No. 814 - Size 72"x 80". Each



STAIR ROLLER

This device makes it easy to move a piano over steps and edges of porch or van. Eliminates damage to piano & property from dragging. Durable steel construction with smooth-action roller.

No. 871 - 21-1/2" Roller. Each



MOVER'S ACCESSORIES

GRAND PIANO SKIDBOARDS

New lightweight, strong skid. Made of hardwood on birch frame. Padded top covered with heavy canvas. Padded cushion end. Equipped with four handles. (5'-7' Skidboards ship via UPS. 9' skidboards must ship via motor freight)

No. 53A - 5' skid without clamp. Each
No. 53B - 6' skid without clamp. Each
No. 53C - 7' skid without clamp. Each
No. 53D - 9' skid without clamp. Each



No. 54A - 5' skid with clamp and a pair of 896B skid straps. Each
No. 54B - 6' skid with clamp and a pair of 896B skid straps. Each
No. 54C - 7' skid with clamp and a pair of 896B skid straps. Each
No. 54D - 9' skid with clamp and a pair of 896B skid straps. Each
No. 55 - Extra clamps only. Each

LEG AND LYRE COVERS

For grand pianos. Consists of four heavy canvas pockets; three for legs and one for the lyre. Well padded for extra protection.

No. 52C - Set of 4 canvas pockets



STRAPS, WEBBING AND BUCKLES

BELTING

Solid woven, white cotton. Wears well.
(not shown)

No. 801 - 3-ply, 2" wide. Per ft.

DEES

Fine quality; strong and dependable.
No. 807 - 2" Malleable. Each



CLAW BUCKLE

Good quality; positive grip.
No. 808 - 2" Claw. Each



ROLLER BUCKLE

Self tightening, non-slip, will not wear webbing and releases instantly when properly used. Fine quality for use with 2", 3" and 4" webbing.

No. 802 - 2" Roller. Each



LARGE MOVERS RUBBER BANDS

Ideal for securing loading pads to pianos. Each measures approx. 3/4" wide X 36" diameter in relaxed position.

No. 820 - Rubber Bands. Doz.



"E" SERIES CARGO STRAPS

Assembled with spring loaded "E" end fittings for securing to locking channel found in trucks and large vans. Complete with cam adjustable buckle and heavy duty 2" strapping. The fixed strap is 4" in length.

No. 821 - 8' adjustable strap. Yellow. Each
No. 822 - 16' adjustable strap. Grey. Each
No. 823 - 20' adjustable strap. Blue. Each



GRAND PIANO SKID STRAPS

3-ply, 2" webbing equipped with 2" non-slip, roller-type buckles.

No. 896A-12 - Straps 12' long. Pair
No. 896B-16 - Straps 16' long. Pair
No. 896C-20 - Straps 20' long. Pair



MOVER'S ACCESSORIES



Premium Wood Dolly

1-1/16" thick kiln dried hardwood frame and 3" wide non-marking rubber end caps. 18" x 30" frame. Hi-Tech non-marking rubber casters.

No. 880 - 3-1/2" casters. 900 lb. capacity. Each

No. 883 - 4" casters. 1000 lb. capacity. Each

No. 882 - Replacement Rubber End Caps. Each

Economy Wood Dolly

7/8" thick seasoned hardwood frame and 6" wide carpeted end members. 18" x 30" frame. Hi-Tech non-marking rubber casters.

No. 881 - 3" casters. 800 lb. capacity. Each

DOLLY CASTERS

These models include inter-locking thread guards and grey non-marking rubber wheels. Set of 4

Stock #	Wheel Diameter	Tread Width	Capacity	Overall Height	Mounting Plate Dimensions
No. 1904	3"	1-1/4"	275 lbs.	3-11/16"	3-1/8" x 4-1/8"
No. 1908	3-1/2"	1-1/4"	300 lbs.	4-3/4"	2-1/2" x 3-5/8"
No. 1906	4"	1-1/4"	325 lbs.	5-1/16"	2-1/2" x 3-5/8"

"Faultless" ball-bearing, swivel casters with double rubber wheel. Same caster as part #1592, but with plate mounting, instead of stem. Hole centers 3" x 1-3/4". Good caster for small dollies and amplifiers. Load capacity 160 lb./caster. Set of 4.

No. 1903 - Wheel Dia. 2" Double Wheel, Height 2-7/8", Plate Size 4"x2-3/4"



BENCH PADS/CUSHIONS

7 DECORATOR COLORS TO ACCENT YOUR MUSIC BENCH...

- Brown
- Black
- Tan
- Berry Red
- Navy Blue
- Light Blue
- Forest Green

These cushions are crafted entirely by Schaff in our modern fabric shop using only high-grade velveteen material and padded with thick 1" polyurethane foam for comfort. For durability and strength, three strapping ties are double tacked to the cushion.

WHEN ORDERING, SPECIFY STOCK NUMBER, AND COLOR.

Stock No.	Style	Size	Stock No.	Style	Size
7800	Prelude	12-3/4" x 25"	7805	Lullaby	14-1/2" x 33"
7801	Overture	13-1/4" x 27"	7806	Duet	14-1/2" x 35"
7802	Minuet	14" x 25"	7807	Concerto	15" x 42"
7803	Sonata	14" x 28"	7809	Waltz	15-1/2" x 32"
7804	Medley	14" x 29-1/2"			



Schaff's line of padded piano & organ bench cushions may also be used as a utility pad for window seats, fire place seats or deacon's benches.

CUSTOM-MADE CUSHIONS

To distinguish us from the rest of the field, Schaff will individually custom-make any size bench cushion in just 3 to 4 days from receipt of the order. All we require is the overall length and width of the bench top and color selection. (not shown)

No. 7810 - Special Made Cushion. (State Size And Color)

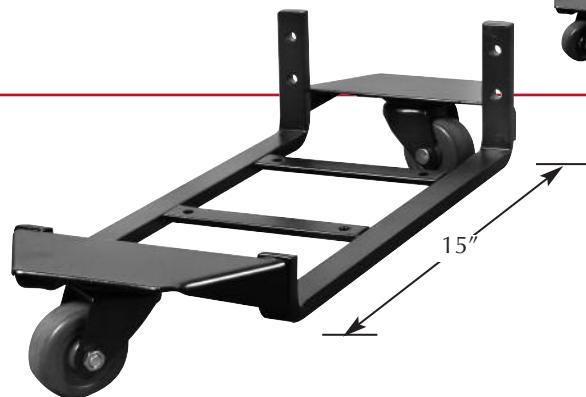
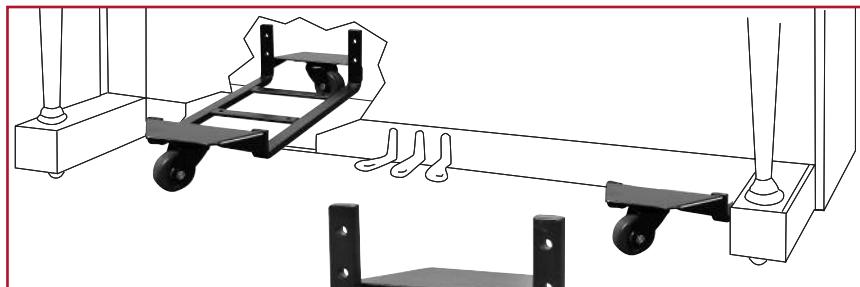
PIANO MOVERS

STANDARD TWIN DOLLIES

2-1/2" CASTERS

Excellent for use in schools, show rooms, churches, etc., where upright pianos need to be moved about quickly and easily... Raises piano only 3/4" off the floor. Silent 2-1/2" hard rubber tired wheels protect the floor finish. Well designed for perfect balance...heavy frame construction for years of service. Inside dolly dimension 15-1/4", they measure 22-1/4" x 8-1/2", and are finished in black. Shipping weight 22 lbs. (Mounting hardware not included)

No. 4009 - Standard Twin Dollies. Per Pair

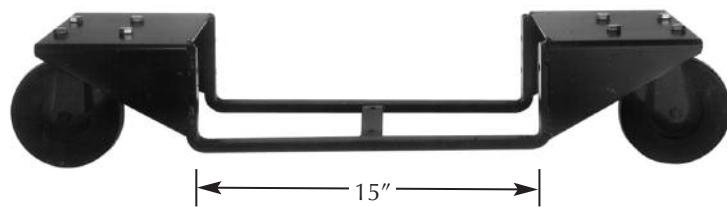
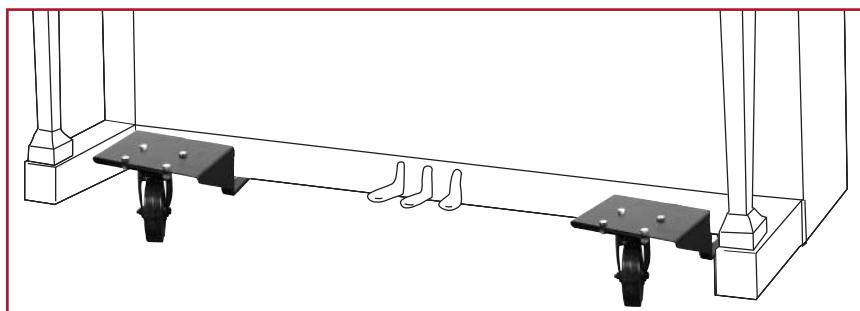


HEAVY DUTY TWIN DOLLIES

5" CASTERS

Although designed for large studio and school pianos, these heavy duty, steel twin dollies with 5" diameter, ball bearing, swivel casters can be used on any vertical piano whose bottom panel measures less than 14-1/2" in depth. For any rough moving surface such as carpeting, these dollies are a must. Also, when encountering narrow doorways, only 7" is added to the piano's overall width. Screw holes on both sides and bottom braces are used for securing the piano to the dolly. Only raises piano 3/4" off the ground. Weighing 44 lbs. per pair, measuring 28" long x 9" wide and finished in black. (Mounting hardware not included)

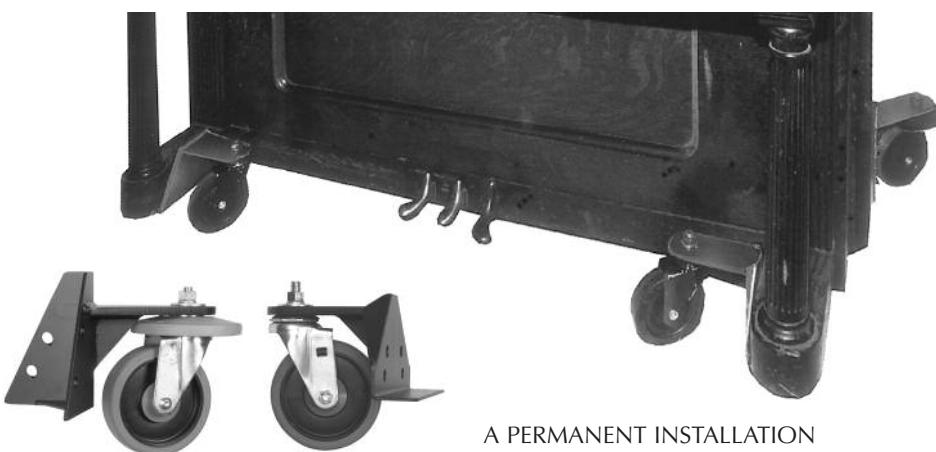
No. 4003 - Heavy Duty Twin Dollies. Per Pair



SUTHERLAND PIANO CARRIER

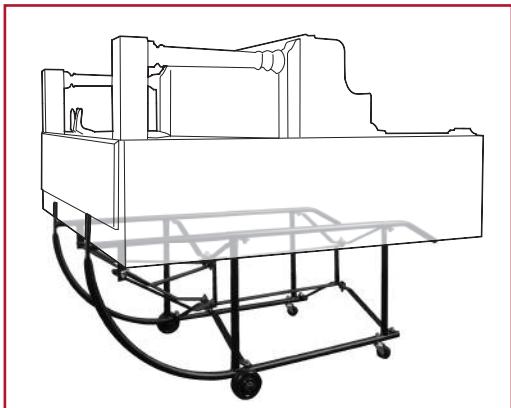
The 4 piece dolly set is permanently attached to the piano with wood screws (see the illustrated drawings). 5" double ball bearing, swivel casters are used on all units. The two back pieces have rubber bumpers (adding only 5" to the piano's width) that prevent wall damage and reduce the problem of narrow doorways. The dolly set is painted black, weighs 27 lbs.

No. 4005 - Sutherland Piano Carrier. Set of 4



A PERMANENT INSTALLATION

PIANO MOVERS



MODERN SHOP REPAIR TRUCK

A convenient and simple truck for handling all upright pianos...one man can easily lay the piano on its back. 4-1/4" diameter, 1-1/2" face front rollers... swivel rear casters to make it possible to swing pianos around in small space. Sturdy, all metal construction. Folds very compact and flat in 58-1/2" long x 25-1/2" high x only 9-1/4" side...can be carried easily in a car or a truck...no trouble getting through narrow doorways and passageways. Easily set up and LOCKED with two wing nuts...WON'T collapse. Opened overall dimensions: 56" long x 25-1/2" high x 25-1/2" wide. Weight 53 lbs. Shipped via UPS.

No. 1901 - Shop Repair Truck. Each

FOLDS COMPACTLY...



GRAND LEG DOLLIES

Individual caster "cup dollies" for use under each grand leg. Cast iron with 3 ball bearing, Polyflex casters. Quickly mounted to grand leg with standard socket. Spring mounted spindle to allow for movement over rugs or high spots. Raises grand no higher than standard casters. These dollies do serve their function, but cannot fully give protection and durability of Grand Piano Stage Trucks. 4" inside diameter.

No. 4018 - Grand Leg Dollies. Set of 3



DIGITAL DOLLIES

ADJUSTABLE DIGITAL DOLLY

This dolly adjusts 47"- 68" in width and 15"- 22" in depth. Features American made "double wheel" rear casters and 2 single wheel "locking" front casters. Black finish.

No. 4002C - Adjustable Digital Dolly. Each

**Please provide Manufacturer and Model.*



ADJUSTABLE DIGITAL GRAND PIANO DOLLY

For Mini Digital Grand Pianos. Fully adjustable 47"- 68" in width and 15"- 22" in depth. "Double wheel" rear casters and 2 single wheel "locking" front casters. Black finish.

No. 4002D - Adjustable Digital Grand Dolly. Each

**Please provide Manufacturer and Model.*



PIANO TRUCKS



Please note that any piano with casters larger than 3" in diameter will require a special caster assembly. Please call for details.

GRAND PIANO TRUCKS

Our Grand Piano Trucks have sturdy-steel, telescoping legs that are easily adjustable for the angle at the center. At the end of each leg is a square swivel socket to hold the piano leg. Piano legs set 2-1/2" off floor. Equipped with three 5" diameter, locking swivel casters with black polyurethane "Hi-Tech" wheels. Shipping weight 105 - 130 lbs. Powder coat black finish. When ordering for either Yamaha or Kawai grand pianos, please give us the model number or overall piano length as their leg dimensions differ slightly, thereby requiring a smaller size truck. Shipped via UPS in two cartons.

No. 4012 - For Grand Pianos from 4'8" to 5'11" size. 3" square sockets. Each

No. 4013 - For Grand Pianos from 6' to 7'6" size. 3-1/2" square sockets. Each

No. 4014 - For Concert Grand Pianos. 3-1/2" square sockets. Each



SCHAFF'S UNIVERSAL GRAND PIANO TRUCK

Years of developmental work have produced **ONE** grand piano truck that will fit any piano from 4'5" up to 7'5" in length. For 9' concert pianos we still recommend our No. 4014 truck. Equipped with three 5" diameter, locking swivel casters with black polyurethane "Hi-Tech" wheels. Shipping weight 97 lbs. Powder coat black finish. Packaged in two cartons weighing 97 lbs. total, allows for a UPS shipment.

No. 4004 - Universal Grand Piano Truck. Each

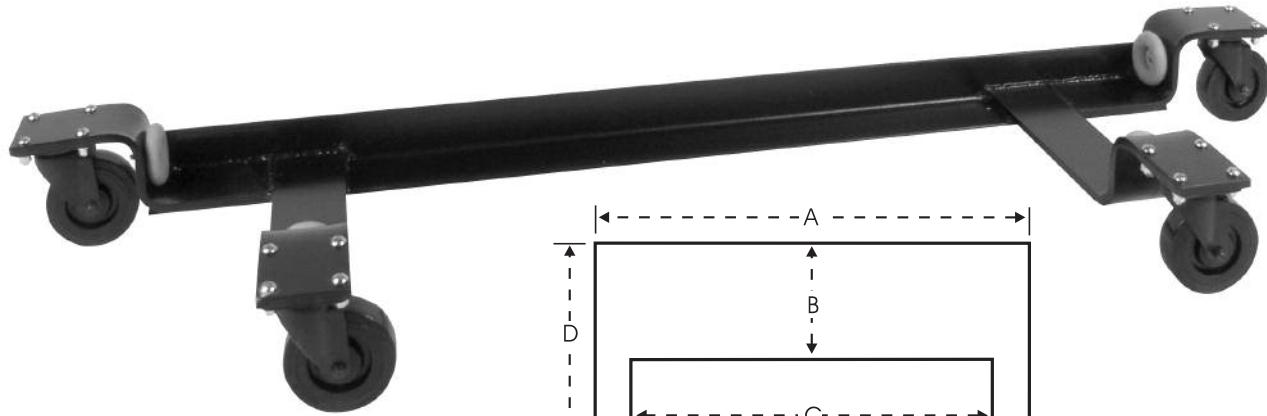


ADJUSTABLE UPRIGHT PIANO TRUCK

Heavy tubular construction and adjustable in width and length. Width adjustable from 12" to 18" inside rubber bumpers. Be careful when ordering for large Yamaha or Kawai pianos as in some instances their widths are greater than 18". Length adjustable from 34" to 56" overall. Overall width 33-3/8". - Pay particular attention to this dimension if truck is to be moved about between rooms. If door sizes are a problem, order a custom-made No. 4011 Truck. Equipped with three 5" diameter, locking swivel casters with black polyurethane "Hi-Tech" wheels. Powder coat black finish. Shipping weight approx. 100 lbs. via UPS in 2 cartons.

No. 4006 - Adjustable Piano Truck. Each

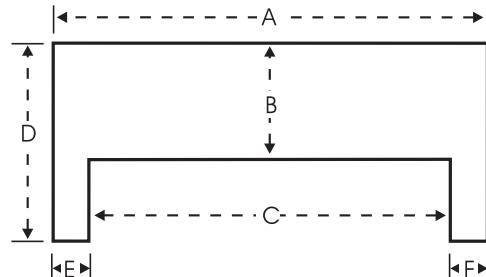
PIANO TRUCKS



UPRIGHT PIANO NARROW DOORWAY TRUCK

Our Model 4011 Truck must be custom made after you provide us with the five dimensions as shown by letters A thru E in the diagram. This truck is recommended for use where the piano has to be moved through narrow doorways, as the truck does not protrude beyond the front or back of the piano. Please allow 3 to 4 weeks for delivery. Powder coat black finish. Weight 91 lbs. Shipped via UPS.

No. 4011 - Narrow Doorway Truck. Each



SPINET PIANO TRUCK

Tubular steel construction in powder coat black finish. Adjustable both in length (46-1/2" to 61-1/2") and width (17-3/4" to 30") to accommodate most spinets. Rubber bumpers protect the piano finish. Adjust to fit individual piano easily and quickly. The design affords complete protection and support to the piano legs, and without strain, as the piano is rolled about. Ball-bearing, swivel casters with rubber-tired wheels...large enough to roll easily while raising the piano only 2-1/8" off the floor. Back two casters are 3-1/4" in diameter, front four casters are 3" diameter. Overall height of truck from floor 5-3/4". Shipping weight 53 lbs. Shipped via UPS.

No. 4008 - For Spinet Pianos. Each

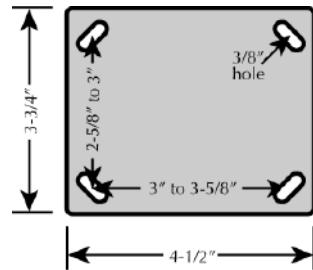


REPLACEMENT CASTERS & WHEELS FOR TRUCK MODELS ..

4004, 4006, 4012, 4013 AND 4014

No. 4015B - 5" Replacement Caster with brake. (black) Each

No. 4016 - 5" Replacement Wheels only. (black) Each



PIANO MOVERS

MOVE IT WITH ROLL-OR-KARI DUAL TRUCKS

READY TO GO! READY TO DO A JOB!

When you buy a ROLL-OR-KARI you get a full set of two dollies and four web straps. . . ready to go. . . ready to do a job. Rubber and felt cushioning afford complete protection at vital spots against marring of fine finishes. Adjustable straps lock around product securely. Retractable wheels allow instruments to rest on own weight while in transport to avoid skidding or rolling. These features are unique with swivel wheels both ends, with four 7' web straps included. 1000 lb. capacity. Weight 55 lbs. shipped via UPS.

ROLL-OR-KARI TRUCKS

No. 4021 - ROLL-OR-KARI Truck. Each
(23 x 4 base for organs & pianos)

No. 4022 - ROLL-OR-KARI Truck. Each
(28 x 4 base for Hammond B-3 organ)

HEIGHT 32"

WIDTH 23"

PATENTED



REPLACEMENT STRAPS

1" wide, 1/8" thick nylon. (not shown)

No. 4023A - 6' Straps. Set of 4

No. 4023B - 7' Straps. Set of 4

No. 4023C - 8' Straps. Set of 4

No. 4023D - 10' Straps. Set of 4

SIMPLE TO OPERATE, place one truck at each end of load, fasten straps, and press foot-lever at each end to raise load for moving. Handles fold out of way when not in use. If your business demands moving of pianos and organs, ROLL-OR-KARI should be a part of your business.

GRAND PIANO TRANSPORTER™

Ideal for lifting grand pianos measuring 4' to 9' in length. In less than a minute, one person can position the Grand Transporter under a grand piano, lift it off the floor, and move it. Lifts up to 3000 lbs. Folds for easy storage. Ideal for rebuilding shops or concert halls. Height extends from 22" to 31". Equipped with four 5" diameter, locking swivel casters with black polyurethane "Hi-Tech" wheels. Ships via UPS in 3 cartons.

No. 4001 - Grand Piano Transporter. Each

No. 4001T - Optional Tow Handle (Sold Separately). Each



FIBERGLASS RAMP

Reinforced heavy duty fiberglass truck ramp with a 4,000 lb. load capacity.

Lightweight and easy to handle. A new traction surface provides more secure footing for safer walking. 8' long x 36" wide. Weighs 95 lbs. (Ships via motor truck.)
(not shown)

No. 868 - Fiberglass Ramp. Each

CASTER CUPS

SCHAFF BRINGS YOU THE PERFECT COMPLIMENT TO YOUR PIANO...

These caster cups are the premier line of protection for your customer's flooring and carpeting. Over a period of time, due to the piano's 400 lb. to 1,200 lb. weight, holes will develop in the floor or carpet, making the caster cup a very necessary piano accessory.

These caster cups measure 5" outer diameter, 2-1/2" inner diameter and have a felt pad glued to the bottom to protect floor finishes. Made from selected hardwood.

- No. 837E** - Finished Ebony. Each
- No. 837EHG** - Finished Ebony High-Gloss. Each
- No. 837M** - Finish Mahogany. Each
- No. 837O** - Finished Natural Oak. Each
- No. 837W** - Finished Walnut. Each
- No. 837WH** - Finished White. Each
- No. 837U** - Unfinished. Each



STANDARD WOOD CASTER CUPS

These wood caster cups are our most economical for protecting your customer's floor or carpet. 3-1/2" outer diameter, 2-3/8" inner diameter. Made from selected hardwood.

- No. 836E** - Finished Ebony. Each
- No. 836EHG** - Finished Ebony High-Gloss. Each
- No. 836M** - Finished Mahogany. Each
- No. 836W** - Finished Walnut. Each
- No. 836U** - Unfinished. Each



DUAL WHEEL WOOD CASTER CUPS

These wood caster cups are perfect for concert grand pianos such as Yamaha & Kawai which have oversized casters. 5-1/2" outer diameter. 3-1/8" inner diameter. Made from selected hardwood.

- No. 838E** - Finished Ebony. Each
- No. 838EHG** - Finished Ebony High-Gloss. Each
- No. 838M** - Finished Mahogany. Each
- No. 838W** - Finished Walnut. Each
- No. 838U** - Unfinished. Each



PLASTIC CASTER CUPS

These caster cups are similar to the ones provided with most imported grand pianos. 5-3/4" outer diameter. 2-3/8" inner diameter.

- No. 839E** - Black. Each
- No. 839W** - Brown. Each
- No. 839WH** - White. Each

RUBBER CASTER CUPS

To protect floors and rugs from damage by casters. 1-5/8" inside length.

- No. 835** - Set of 4

LUCITE CASTER CUPS

Made of rugged plastic material. Easily accommodates new wide style casters. 4-1/2" outer diameter; 2-3/4" inside diameter.

- No. 834C** - Clear. Each
- No. 834E** - Black. Each
- No. 834W** - Brown. Each

WOOD TOP PIANO BENCHES

JANSEN UPRIGHT PIANO BENCHES

Made from hardwood maple, these high quality benches measure 14"W x 29"L and are 20" high. All have music compartments and are packed knockdown for UPS shipment. Round, square and spade leg types and walnut, mahogany and ebony finishes are available.



SQUARE LEG

No. 7085E - Finished Ebony. Each
No. 7085M - Finished Mahogany. Each
No. 7085W - Finished Walnut. Each
No. 7085U - Unfinished. Each

SPADE LEG

No. 7086E - Finished Ebony. Each
No. 7086M - Finished Mahogany. Each
No. 7086W - Finished Walnut. Each
No. 7086U - Unfinished. Each

ROUND LEG

No. 7051E - Finished Ebony. Each
No. 7051M - Finished Mahogany. Each
No. 7051W - Finished Walnut. Each
No. 7051U - Unfinished. Each

SQUARE
LEG

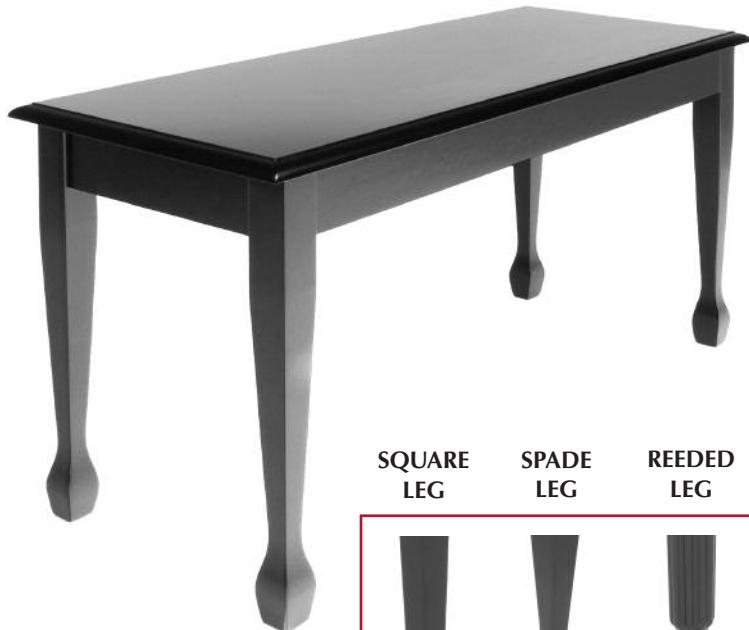
SPADE
LEG

ROUND
LEG



IMPORTED UPRIGHT PIANO BENCHES

Our 8700 series piano benches are designed and made exclusively for us. Made from selected hardwood. These benches measure 14"W X 30"L and are 19" high. All have music compartments and are packed knockdown for UPS shipment.



SQUARE LEG

No. 8770E - Finished Ebony. Each
No. 8770EHG - Ebony High Gloss. Each
No. 8770M - Finished Mahogany. Each
No. 8770W - Finished Walnut. Each
No. 8770U - Unfinished. Each

SPADE LEG

No. 8750E - Finished Ebony. Each
No. 8750EHG - Ebony High Gloss. Each
No. 8750M - Finished Mahogany. Each
No. 8750W - Finished Walnut. Each
No. 8750U - Unfinished. Each

REEDED LEG

No. 8762E - Finished Ebony. Each
No. 8762M - Finished Mahogany. Each
No. 8762W - Finished Walnut. Each
No. 8762U - Unfinished. Each

SQUARE
LEG

SPADE
LEG

REEDED
LEG



WOOD TOP PIANO BENCHES

JANSEN GRAND PIANO BENCHES

Duet size grand piano bench made from hardwood maple. All benches measure 14"W x 33"L and are 19" high with a finished music compartment. Packed knockdown for UPS shipment.

SPADE LEG

- No. 7866E** - Finished Ebony. Each
- No. 7866M** - Finished Mahogany. Each
- No. 7866W** - Finished Walnut. Each
- No. 7866U** - Unfinished. Each



BRASS FERRULE



SQUARE LEG W/BRASS FERRULE

- No. 7876E** - Finished Ebony. Each
- No. 7876M** - Finished Mahogany. Each
- No. 7876W** - Finished Walnut. Each
- No. 7876U** - Unfinished. Each

JANSEN SCHOOL BENCHES

Similar to a grand type piano bench; but to further strengthen the legs for school use, a strong stretcher base is added. Comes with a music compartment. Top is 14"W x 33"L, height is 19". Available with square legs only. Packed knockdown for UPS shipment



SQUARE LEG

- No. 7022E** - Finished Ebony. Each
- No. 7022M** - Finished Mahogany. Each
- No. 7022W** - Finished Walnut. Each
- No. 7022U** - Unfinished. Each

UPHOLSTERED PIANO BENCHES

IMPORTED ECONOMY UPRIGHT PIANO BENCHES

Our 8800 series piano benches are made of selected hardwood with vinyl upholstered tops. The mahogany, ebony, and unfinished styles have a black padded top, and the walnut finished benches have a brown padded top. Benches measure 14"W x 30"L and are 19" high. All have music compartments are packed knocked down for UPS shipment.

SQUARE LEG

- No. 8835SE - Finished Ebony. Each
- No. 8835SEHG - Ebony High Gloss. Each
- No. 8835SM - Finished Mahogany. Each
- No. 8835SW - Finished Walnut. Each
- No. 8835SU - Unfinished. Each

ROUND LEG

- No. 8835RE - Finished Ebony. Each
- No. 8835RM - Finished Mahogany. Each
- No. 8835RW - Finished Walnut. Each
- No. 8835RU - Unfinished. Each



SQUARE LEG ROUND LEG



JANSEN KEYBOARD BENCHES

Sleek and stylish describe our keyboard bench, not to mention easy to transport. Made of solid maple and supported by heavy duty hardware. Bench measures 12" W x 24" L with a height of 20". All are packed knockdown for UPS shipment. A music compartment is available on special order basis.

SQUARE TAPERED LEG

- No. 7859E - Finished Ebony. Each
- No. 7859M - Finished Mahogany. Each
- No. 7859W - Finished Walnut. Each

ROUND TAPERED LEG

- No. 7860E - Finished Ebony. Each
- No. 7860M - Finished Mahogany. Each
- No. 7860W - Finished Walnut. Each



ROUND LEG



UPHOLSTERED PIANO BENCHES

JANSEN UPRIGHT PIANO BENCHES

Constructed of solid hard maple and supported with heavy duty hardware. The bench measures 14"W x 29"L, with a height of 20". All have music compartments and are packed knockdown for UPS shipment.

SQUARE LEG

No. 7000E - Finished Ebony. Each
No. 7000M - Finished Mahogany w/Black Top. Each
No. 7000W - Finished Walnut. Each
No. 7000U - Unfinished. Each
Specify Brown or Black top.



ROUND LEG

No. 7001E - Finished Ebony. Each
No. 7001M - Finished Mahogany w/Black Top. Each
No. 7001W - Finished Walnut. Each
No. 7001U - Unfinished. Each
Specify Brown or Black top.

JANSEN GRAND PIANO BENCHES

Constructed of solid hard maple and supported with heavy duty hardware. The bench measures 14"W x 33"L, with a height of 19". All have music compartments and are packed knockdown for UPS shipment.

SPADE LEG

No. 7846E - Finished Ebony. Each
No. 7846M - Finished Mahogany w/Black Top. Each
No. 7846W - Finished Walnut. Each
No. 7846U - Unfinished. Each
Specify Brown or Black top.



BRASS FERRULE

No. 7856E - Finished Ebony. Each
No. 7856M - Finished Mahogany w/Black Top. Each
No. 7856W - Finished Walnut. Each
No. 7856U - Unfinished. Each
Specify Brown or Black top.

JANSEN ARTIST BENCHES

STANDARD, DUET AND PETITE SIZES

Both the standard and duet size benches have the most up-to-date mechanism on the market that assures a smooth, easy seat height adjustment of 18" - 21". Benches come in ebony, walnut, and mahogany finishes, upholstered and tufted in black, brown or red mahogany naugahyde respectively.

The following options are available on a special order basis for all bench types.

Finishes

- Ivory
- White
- Unfinished

Other Options

- Genuine Leather
- 7 Additional Leg Styles

STANDARD ARTIST BENCHES

Measures 16-1/2"W x 21-1/2"L. Packed knockdown for UPS shipment.

SPADE LEG

- No. 4990** - Finished Satin Ebony. Each
- No. 4990H** - Finished High Polished Ebony. Each
- No. 4990L** - Finished Satin Ebony, Leather Top. Each
- No. 4991** - Finished Walnut. Each
- No. 4978** - Finished Mahogany. Each

BRASS FERRULE

- No. 4992** - Finished Satin Ebony. Each
- No. 4992H** - Finished High Polished Ebony. Each
- No. 4993** - Finished Walnut. Each
- No. 4979** - Finished Mahogany. Each

DUET ARTIST BENCHES

Measures 33 "L x 16-1/2"W. Packed knockdown for UPS shipment.

SPADE LEG

- No. 4986** - Finished Satin Ebony. Each
- No. 4986H** - Finished High Polished Ebony. Each
- No. 4987** - Finished Walnut. Each
- No. 4976** - Finished Mahogany. Each

BRASS FERRULE

- No. 4988** - Finished Satin Ebony. Each
- No. 4988H** - Finished High Polished Ebony. Each
- No. 4989** - Finished Walnut. Each
- No. 4977** - Finished Mahogany. Each

BRASS FERRULE



PETITE ARTIST BENCHES

Measures 21" L x 13" W. Uses same mechanism as standard artist bench. Packed knockdown for UPS shipment.

ROUND TAPERED LEG

- No. 4970** - Finished Satin Ebony. Each
- No. 4971** - Finished Walnut. Each
- No. 4972** - Finished Mahogany. Each

SQUARE TAPERED LEG

- No. 4973** - Finished Satin Ebony. Each
- No. 4974** - Finished Walnut. Each
- No. 4975** - Finished Mahogany. Each



JANSEN PIANO STOOLS



WOOD TOP STOOLS

These old fashioned style piano stools are made of hardwood maple with antiqued cast brass claw feet. 14" diameter top. Height adjusts 18"- 25".

- No. 4980** - Finished Walnut. Each
- No. 4981** - Finished Mahogany. Each
- No. 4982** - Finished Golden Oak. Each
- No. 4967** - Finished Ebony. Each



UPHOLSTERED TOP STOOL

These old fashioned style piano stools are made of hardwood maple with antiqued cast brass claw feet. 14" diameter top. Height adjusts 19"- 26".

- No. 4983** - Finished Walnut. Each
- No. 4984** - Finished Mahogany. Each
- No. 4968** - Finished Ebony. Each



WOOD TOP STOOL

A proven best seller for years, these stools are made from hardwood maple. 14" diameter top. Height adjusts 16"- 23".

- No. 4994** - Finished Walnut. Each
- No. 4995** - Finished Mahogany. Each
- No. 4996** - Finished Ebony. Each



UPHOLSTERED TOP STOOL

A proven best seller for years, these stools are made from hardwood maple. 14" diameter top. Height adjusts 18"- 25".

- No. 4997** - Finished Walnut. Each
- No. 4998** - Finished Mahogany. Each
- No. 4999** - Finished Ebony. Each

STOOL MECHANISM

Replacement for most swivel-type piano stools. Plate measures 4-1/2" x 4-1/2" with 4 screw holes on each plate.

- No. 5000** - Stool Mechanism. Each



ACCESSORIES



SHEET MUSIC STORAGE CHESTS

These high quality, hand crafted sheet music storage chests are made in America out of solid black cherry wood. Each comes with 10 pullout trays equipped with solid brass knobs. They measure 42" tall x 17" wide and are 15-1/4" deep. Shipped fully assembled via UPS.

No. 7950C - Finished Cherry. Each

No. 7950E - Finished Ebony. Each

No. 7950M - Finished Mahogany. Each

No. 7950W - Finished Walnut. Each



PIANO MUTE

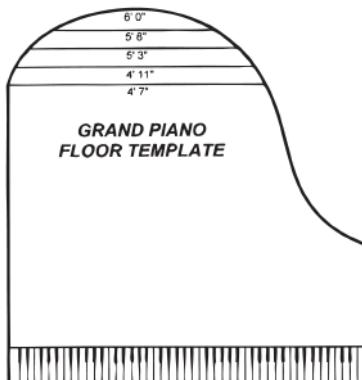
We believe our mute to be superior in design and ease of use. Simply engage the mechanism to mute the sound of the piano.

No. 1843 - Piano Mute. Each

MANDOLIN OR HARP ATTACHMENT

This attachment will give any spinet or upright piano that Harp or Mandolin tone. This kit consists of 72 tabs to cover the full tenor and treble notes of any piano. Other parts of the kit are a 54" aluminum drop-bar with a special channeled tab locking device, a bass felt strip, cable control which mounts directly beneath the keyboard and all necessary hardware. (not shown)

No. 1841 - Mandolin or Harp Attachment. Each



GRAND PIANO FLOOR TEMPLATE

Used to determine the best size Grand Piano for your home. One template covers 5 different piano sizes (4'7" to 6'0").

Made of foldable, heavy duty brown kraft paper.

No. 6035 - Grand Piano Floor Template. Each

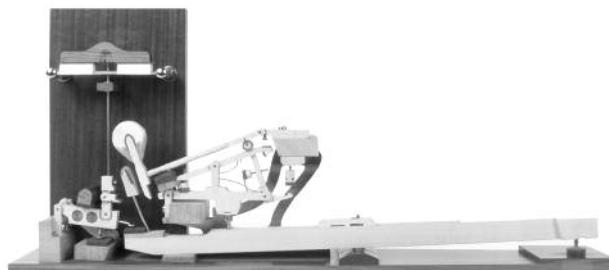
Sav-A-Rug Piano Pedal Pad

PIANO PEDAL PAD

Your new Sav-A-Rug Pad gives you both beauty and utility when installed under the pedals of your favorite piece of furniture - your piano.

No. 5801 - Beige. Each

No. 5801-BK - Black. Each



SINGLE KEY ACTION MODELS

Useful as selling and teaching aids. The dealer can readily demonstrate different actions to the prospective piano buyer. The technician can explain the need for repair work in a more understandable manner. Shop instruction in repair technique is made easier.

No. 6950 - Vertical Action Model. Each

No. 6960 - Grand Action Model. Each

ACCESSORIES



HANDS OFF FALLBOARD LOCK

Unbreakable black plastic fallboard lock, with self-contained locking device. Lined with felt to protect piano finish. Has a 6" wide opening and is supplied with 2 pre-drilled shims to adjust height. Comes with 2 keys which are keyed alike.

No. 812 - Hands Off Lock. Each

JARAS FALLBOARD LOCK

The best selling clamp in the piano industry fills a much needed requirement for a foolproof, attractive upright and grand piano locking device. The clamp is made from a special hardened steel and has a rubber sleeve to protect the piano's finish. Clamp has a maximum opening of 6-1/8" wide, which should fit most any type of piano fallboard. A wooden shim is provided for use when installing on pianos with smaller fallboard widths. This device consists of a lock and two keys, which are keyed alike. Screws are provided to attach the clamp underneath the keybed.

No. 893 - Jaras Fallboard Lock. Each



KEYBOARD DECALS

IDEAL AS A TEACHING AID FOR BEGINNING PIANO, ORGAN AND ACCORDION STUDENTS.
24 decals that show the position of the note as it appears on the sheet of music, and gives the name of the note by means of a large letter. These decals are dry-stick type that can be removed after the student is familiar with the keyboard. Coordinated teaching aids are supplied with the decals to encourage the new student to quickly learn the bass and treble clef notes and keys on the keyboard.

No. 4966 - Keyboard Decals. Each

PIANO DECALS

Authentic design replacement decals. Varnish Transfer. Furnished with instructions for applying.

FALLBOARD DECALS

No. 5200 - Baldwin. Each
No. 5201 - Brambach. Each
No. 5202 - Cable. Each
No. 5203 - Chickering. Each
No. 5204 - Estey. Each
No. 5205 - Everett. Each
No. 5206 - Fischer. Each
No. 5207 - Gulbransen. Each
No. 5208 - W.P. Haines & Co. Each
No. 5209 - Hallet, Davis & Co. Each
No. 5210 - Hardman. Each
No. 5211 - Hardman, Peck & Co. Each
No. 5212 - Harrington. Each
No. 5213 - Hazelton Bros. Each
No. 5214 - Janssen. Each
No. 5215 - Kimball. Each
No. 5216 - Wm. Knabe & Co. Each
No. 5217 - Kohler & Cambell. Each
No. 5218 - Krakauer. Each
No. 5219 - Kranich & Bach. Each
No. 5220 - Lindeman & Sons. Each
No. 5221 - Mason & Hamlin. Each
No. 5222 - Mathushek. Each
No. 5223 - Mehlin & Sons. Each
No. 5224 - George Steck. Each
No. 5226 - Vose & Sons. Each
No. 5227 - Wurlitzer. Each
No. 5228 - Winter. Each

No. 5229 - Ampico. Each

No. 5230 - Duo-Art. Each
No. 5231 - Gabler. Each
No. 5232 - Hamilton. Each
No. 5233 - Ivers & Pond. Each
No. 5234 - Kurtzman. Each
No. 5235 - Marshall & Wendell. Each
No. 5236 - Primatone. Each
No. 5237 - Sohmer. Each
No. 5238 - Story & Clark. Each
No. 5239 - Stroud. Each
No. 5240 - Behr Bros. & Co. Each
No. 5241 - Bush & Gerts. Each
No. 5242 - Cunningham. Each
No. 5243 - Emerson. Each
No. 5244 - McPhail. Each
No. 5245 - Poole. Each
No. 5246 - Sterling. Each
No. 5247 - Regent. Each
No. 5248 - Remington. Each
No. 5249 - Wing & Son. Each
No. 5250 - M. Schulz & Co. Each
No. 5251 - Aeolian. Each
No. 5252 - Julius Bach. Each
No. 5253 - Francis Bacon. Each
No. 5254 - Hobart M. Cable. Each
No. 5255 - Conover. Each
No. 5256 - Grinnell Brothers. Each
No. 5257 - Hammond. Each

No. 5258 - Huntington. Each

No. 5259 - Kingsbury. Each
No. 5260 - Kohler. Each
No. 5261 - Andrew Kohler. Each
No. 5262 - Charles Kohler. Each
No. 5263 - Lowery. Each
No. 5264 - Robert Marshall. Each
No. 5265 - Melodigrand. Each
No. 5266 - Miller & Son. Each
No. 5267 - Musette. Each
No. 5268 - Schafer & Sons. Each
No. 5269 - Wellington. Each
No. 5270 - Wootten. Each
No. 5271 - Lester. Each
No. 5272 - Weber. Each
No. 5273 - Kohler & Chase. Each
No. 5274 - B. Shoninger. Each
No. 5275 - Henry F. Miller. Each
No. 5276 - Mendelssohn. Each
No. 5277 - Conn. Each
No. 5278 - Haines. Each
No. 5280 - Schumann. Each

SOUNDBOARD DECALS

No. 4960 - Baldwin. Each
No. 4961 - Chickering. Each
No. 4963 - Knabe. Each
No. 4964 - Mason & Hamlin. Each

ACCESSORIES

COMPOSER STATUETTES

AUTHENTIC REPLICAS OF YOUR FAVORITE COMPOSERS

Excellent for use as Music Teacher Awards, Gifts for Music Students, Music Studio Promotions, Homes, Schools and Colleges. Made of the finest, unbreakable vinyl plastic - strong, tough, washable. Authentic replicas of the finest European bust sculpture.



No. 8879 - Statuette. Height 4-1/2" – Base 2". Available in white only. Each

Choices: Bach, Beethoven, Brahms, Chopin, Debussy, Grieg, Handel, Haydn, Liszt, Macdowell, Mendelssohn, Mozart, Rachmaninoff, Schubert, Schumann, J. Strauss, Tschaikowsky, Wagner

No. 8880 - Statuette. Height 5" – 5-1/2". Available in white only. Each

Choices: Bach, Beethoven, Brahms, Chopin, Liszt, Mendelssohn, Mozart, Schubert, Tschaikowsky, Verdi, Wagner

PLASTIC STORAGE BOXES

No. 6105 - 4-3/8" L x 2-5/8" W x 1" H. 1 compartment. Each* (not shown)

No. 6107 - 4-3/8" L x 2-5/8" W x 1" H. 4 compartments. Each*

No. 6108 - 4-3/8" L x 2-5/8" W x 1" H. 8 compartments. Each*

No. 6109 - 8" L x 4" W x 1-3/16" H. 9 compartments. Each

No. 6111 - 8" L x 4" W x 1-3/16" H. 18 compartments. Each
(Same case as our assortment kits)

No. 6112 - 6-3/4" L x 3-1/4" W x 1-1/8" H. 6 compartments. Each

No. 6122 - 10-5/8" L x 6-5/8" W x 1-9/16" H. 6 compartments and
30 removable dividers. Each

No. 6188 - 10-1/2" L x 6-3/16" W x 2-1/4" H. 18 compartments. Each

*Ideal for the
Genck case.



No. 6107



No. 6108



No. 6109



No. 6111



No. 6112



No. 6122



No. 6188

LAMPS BY HOUSE OF TROY

THE PIANO LIGHT COLLECTION FROM HOUSE OF TROY



You must see these lights to fully appreciate the care and attention the manufacturer gives to the smallest of details. House of Troy lights are the very best piano lamps we have ever seen. Certainly, based on our industry experience, it is worth paying a little more to receive a lamp that will eliminate any customer complaints about quality of workmanship and materials. Sell these lights with 100% confidence!



Finish: Polished Brass
Height: Adjusts from 0"-14"
Shade: 14"
Base: 6" Square
Switch: On Base
 **Requires two 40 watt bulbs - NOT Included
No. 4750 - Lamp. Each



Finish: Polished Brass
Height: Adjusts from 0"-12"
Shade: 14"
Base: 6" Round
Switch: In-line
 **Requires two 40 watt bulbs - NOT Included
No. 4762 - Lamp. Each



Finish: Antique Brass
Height: Adjusts from 8"-16"
Shade: 14"
Base: 6-3/8" Round
Switch: In-line
 **Requires two 40 watt bulbs - NOT Included
No. 4772 - Lamp. Each



Finish: Antique Brass
Height: Adjusts from 0"-12"
Shade: 14"
Base: 6" Round
Switch: In-line
 **Requires two 40 watt bulbs - NOT Included
No. 4771 - Lamp. Each



Finish: Polished Brass
Height: Adjusts from 0"-8"
Shade: 14"
Base: 6" Round
Switch: In-line
 **Requires two 40 watt bulbs - NOT Included
No. 4764 - Lamp. Each



Finish: Black with Brass Accents
Shade: 1" X 22" Rotating
Clamp: 2-1/2" X 5-1/2"
Switch: In-line
 **includes four 15 watt 2000 hour incandescent bulbs.
No. 4760 - Lamp. Each
 Same as above but finished in polished brass.
No. 4761 - Lamp. Each



Finish: Polished Brass
Shade: 10"
Clamp: 2-1/2" X 5-1/2"
Switch: On Shade
 **Requires one 40 watt bulb - NOT included
No. 4755 - Lamp. Each



Finish: Polished Brass
Shade: 14"
Clamp: 2-1/2" X 5-1/2"
Switch: On Shade
 **Requires two 40 watt bulbs - NOT included
No. 4756 - Lamp. Each
 Same as above but finished in black.
No. 4765 - Lamp. Each

REPLACEMENT BULBS

(not shown)

- No. 4300** - 13 Watt. Each
- No. 4301** - 15 Watt. Each
- No. 4306** - 40 Watt. Each
- No. 4307** - 60 Watt. Each
- No. 4309** - 20 Watt. Xenon Each



Finish: Polished Brass & Black Marble
Height: Adjusts from 5"-22"
Shade: 10"
Base: 5" Square
Switch: On Base
 **Requires one 13 watt bulb - NOT Included
No. 4775 - Lamp. Each



Finish: Polished Brass with Crystal Column
Height: Adjusts from 5"-22"
Shade: 10"
Base: 5" Square
Switch: On Base
 **Requires one 13 watt bulb - NOT Included
No. 4776 - Lamp. Each



Finish: Polished Brass & Black Marble
Height: Adjusts from 0"-25"
Shade: 10"
Base: 5-1/8" Square
Switch: On Base
 **Requires one 13 watt bulb - NOT Included
No. 4777 - Lamp. Each

WITTNER METRONOMES



FAMOUS THE WORLD OVER SINCE 1895. IMPORTED FROM GERMANY,
WITTNER METRONOMES OFFER UNSURPASSED QUALITY IN THE GREATEST
VARIETY OF STYLES AND COLORS.

WITTNER

The Wittner Maezel Metronome is an outstanding product in quality and appearance. Constructed with care by German craftsmen. Features include latch on cover, adjustable weight on pendulum, and size: 4-1/2" square base x 8-1/2" high.

No. 1118 - Ebony Satin. Each
No. 1119 - Ebony High Gloss. Each
No. 1120 - Mahogany. Each
No. 1122 - Walnut. Each



TAKTELL ELECTRONIC

After a long developmental period, Wittner now has a battery operated electronic metronome. Measuring 5-1/4" high, 2-7/8" wide and 1-5/8" deep, this black grain, plastic metronome will together produce a visual flash and acoustic beat, or just a visual flash only. Just flick a switch. Comes complete with a 9 volt battery that has a 3 year useful life.

No. 1124 - Metronome. Each



TAKTELL-PICCOLO

A standard multi-colored plastic metronome that measures 6" high, 2-3/4" wide and 1-3/4" deep. This keywound pendulum type metronome is extremely accurate and comes complete with a facing dust cover that protects the instrument when not in use.

No. 1125 - Mahogany. Each
No. 1126 - Beige. Each
No. 1127 - Ivory. Each
No. 1128 - Black. Each



SUPER-MINI-TAKTELL

A metronome that is the smallest and most accurate in the world. Measuring 4" high, 1-7/8" wide, 1-1/8" deep. It runs as long and conveys the beat just as reliably as other larger Wittner models. Black plastic case.

No. 1123 - Metronome. Each



SOUNDBOARD CLEANERS

SOUNDBOARD STEEL

This 24" long, flexible piece of spring steel is used with a small cloth for cleaning soundboards under the strings.
No. 934 - Soundboard Steel. Each



SWEPPER SOUNDBOARD CLEANER

Made of flexible plastic that is covered by a cloth sock for cleaning. 50" long x 1" wide. Long enough to reach under the treble strings. Sock is machine washable and will not scratch the soundboard.

No. 6030 - Sweeper Soundboard Cleaner. Each
No. 6030A - Replacement Sock. Each



TUNING LEVERS



CARBON FIBER TUNING LEVERS

Traditional threaded shaft will fit all Schaff 5, 10 or 15 degree heads, allowing you to use all of your existing heads and tips. Close to zero flex throughout the length of the tuning hammer, allowing you unequaled feel of the tuning pin, thus making your tunings more stable and more accurate. Two carbon fiber assembly lengths to suit your own preference and convenience. Handles are crafted from hand-turned cocobolo wood. Designed by Mayer Gluzman, RPT. *Please note, head and tip not included.*

Choose a tube length and handle assembly.

- No. 2300A** - 6" Carbon Fiber Tube Assembly. Each
- No. 2300B** - 8" Carbon Fiber Tube Assembly. Each
- No. 2300C** - Ergonomic Pear-Shaped Handle. Each
- No. 2300D** - Traditional 4" Straight Handle. Each
- No. 2300E** - Optional 2" Carbon Fiber Extension. Each



HALE PROFESSIONAL TUNING LEVERS

These tuning levers are similar in quality to our Hale Extension Tuning Levers except the stainless steel shaft is stationary. Overall length is 11-1/2", which includes an 8" handle. Available in either ROSEWOOD or NYLON. Comes with No. 13G head and No. 14B #2 star tip.

- No. 6** - Professional Rosewood Tuning Lever. Each
- No. 4** - Professional Nylon Tuning Lever. Each



STUDENT/CRAFTSMAN TUNING LEVER

Ideal for the apprentice tuner. 6" long, lacquered wood handle has a smooth tapered feel. Comes with a stationary stainless steel rod. Available with a one piece head and tip or a two piece head and tip. 11" overall length.

- No. 7** - Student Tuning Lever with No. 17 one piece head and tip. Each
- No. 8** - Craftsman Tuning Lever with No. 13G head and No. 14B # 2 star tip. Each



HALE EXTENSION TUNING LEVERS

There are no finer tuning levers produced at any price. These stainless steel hexagonal style extension levers come with an 8" ROSEWOOD or NYLON handle. Weighing 18 ounces, this lever is perfectly balanced. Comes with No. 13G head, No. 14B #2 tip. The Rosewood lever comes with an additional No. 11 tip wrench, and a macintosh carrying case. Overall length is 11-1/2" with a possible 6-1/2" extension.

- No. 21** - Rosewood Extension Lever. Each
- No. 16** - Nylon Extension Lever. Each
- No. 21R** - 8" Long Replacement Extension Rod. Each



HALE COMPACT EXTENSION TUNING LEVERS

Identical in design and quality to our regular extension levers except these have a 6" long handle. Available in either ROSEWOOD or NYLON. Overall length is 10", which can be extended to 14-1/2". These levers weigh approximately 16 ounces and come with No. 13G head and No. 14B #2 star tip.

- No. 21C** - Compact Rosewood Extension Lever. Each
- No. 16C** - Compact Nylon Extension Lever. Each
- No. 21R** - 8" Long Replacement Extension Rod. Each



HALE MINI EXTENSION TUNING LEVER

Designed for the technician who wants to be as near to the tuning pin as possible. These stainless steel hexagonal style extension levers are equipped with a 4" handle. Overall length is 7", which can be extended to 10" long. Weighs only 11 ounces. Comes with No. 13G head and No. 14B #2 star tip.

- No. 21M** - Mini Rosewood Extension Lever. Each
- No. 21MR** - 4" Long Replacement Shaft. Each (not shown)

NOTE: ALL SCHAFF HEADS AND TIPS ARE INTERCHANGEABLE ON OUR TUNING LEVERS; THEREFORE, SUBSTITUTIONS CAN BE MADE FOR ANY OF THE STANDARD OPTIONS LISTED. PRICES WILL BE CHANGED ACCORDINGLY.

TUNING LEVERS



PNEUMATIC TUNING PIN DRIVER

This pneumatic tuning pin driver was originally designed for the piano manufacturing industry (Baldwin, Walter Piano Company and Mason & Hamlin) and now offers piano technicians a fast, efficient way to install new tuning pins! The RN-16-8P Tuning Pin Driver has no trigger. Hammering action begins with a light pressure on the tuning pin and stops when the pin is set.

No. 6020 - Tuning Pin Driver. Each



GOOSENECK TUNING LEVER

Schaff's economy line with one-piece, non-removable head. Comes with a 6-1/2" wood handle and nickel plated shaft with tuning tip, having an overall length of 12"

No. 5A - Gooseneck Lever With Star Tip. Each

No. 5B - Gooseneck Lever With Square Tip. Each

No. 5C - Gooseneck Lever With Oblong Tip. Each



PIANO FACTORY STYLE TUNING LEVER

Specifically designed by Schaff for piano factories, this lever has a 7" PVC plastic handle that is virtually unbreakable. For extra strength, the chrome plated steel shaft is welded at the head with a 15° angle. The special hardened tool steel tuning tip is designed to withstand stress and pounding to set tuning pins. Locks into position with a machine screw and lock washer. Lever comes with No. 14D #2 Star Tip. Measures 13" overall, and weighs 15 ounces.

No. 18 - Piano Factory Style Tuning Lever. Each

"T" TUNING LEVERS

The finest "T" tuning lever available.

Made of tough alloy steel that is nickel plated to withstand the hardest factory use. Lever has a 5" nylon handle, and an overall length of 6".

No. 12 - "T" Tuning Lever. Square Tip. Each



KEYES IMPACT TUNING LEVER

Developed with fellow piano technician, Otto Keyes, this unique lever has the advantage of an eight position sliding weight adjustment to help regulate the impact during tuning. Designed to be used primarily on vertical pianos, the Keyes Impact Lever can save excess strain on your shoulder. The lever weighs 21 ounces and is 11" overall in length. Our No. 14B #2 star tip is included, making the total head and tip length 3-3/4" for easy clearance during tuning.

No. 66 - Keyes Impact Tuning Lever. Each



BALL HANDLE TUNING LEVER

This lever is designed with a wood ball handle that is 2" in diameter. Overall length is 9". Made of polished stainless steel. Comes with No. 13G head and No. 14B #2 star tip.

No. 3162 - Ball Handle Tuning Lever. Each

HARPSICHORD AND ZITHER TUNING LEVERS



"T" HARPSICHORD TUNING LEVER

Walnut finished hardwood handle measures 5" long. "T" lever has a nickel plated shaft. 3-1/2" overall length. Star tip.

No. 9 - "T" Harpsichord Tuning Lever. Each



GOOSENECK HARPSICHORD TUNING LEVER

Lever measures 8" in overall length including a 4" hardwood handle. The one piece, nickel plated shaft and tuning head comes with a star tip.

No. 10 - Gooseneck Harpsichord Tuning Lever. Each

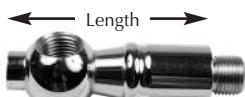
NOTE: ALL SCHAFF HEADS AND TIPS ARE INTERCHANGEABLE ON OUR TUNING LEVERS; THEREFORE, SUBSTITUTIONS CAN BE MADE FOR ANY OF THE STANDARD OPTIONS LISTED. PRICES WILL BE CHANGED ACCORDINGLY.

TUNING LEVER ACCESSORIES

SCHAFF TUNING LEVER HEADS

These high polished stainless steel heads will fit any Schaff made tuning lever, and come in a variety of lengths and pitch angles as shown below. Each.

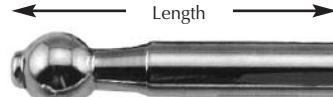
No. 13F -	7/8" Long	15° Head
No. 13G -	1-1/4" Long	5° Head
No. 13G-10 -	1-1/4" Long	10° Head
No. 13G-15 -	1-1/4" Long	15° Head
No. 13H -	1-3/4" Long	5° Head
No. 13H-15 -	1-3/4" Long	15° Head
No. 13J -	2-1/4" Long	5° Head
No. 13K -	3" Long	5° Head
No. 13L -	5" Long	5° Head



SCHAFF ONE PIECE TUNING LEVER HEADS AND TIPS

These professional looking, chrome plated heads and tips are made from tool steel, and will fit all Schaff tuning levers. Available in various lengths, star head sizes and pitch angles as shown below. Each.

No. 17 -	2-1/2" Long	#2 Star Tip	5° Head
No. 17-3 -	2-1/2" Long	#3 Star Tip	5° Head
No. 17-3-15 -	2-1/2" Long	#3 Star Tip	15° Head
No. 17-15 -	2-1/2" Long	#2 Star Tip	15° Head
No. 17A -	1-1/2" Long	#2 Star Tip	15° Head
No. 17B -	4" Long	#2 Star Tip	5° Head
No. 17C -	5" Long	#2 Star Tip	5° Head



SCHAFF TUNING LEVER TIPS

Made from high-quality, chrome plated tool steel, these tips are 1" in length and will fit any Schaff No. 13 Series Head.

No. 14A - #1 Star Tip. Each



No. 14B - #2 Star Tip. Each



No. 14C - #3 Star Tip. Each

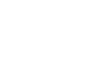


No. 14G - #4 Star Tip. Each

No. 15 - Square Tip. Each



No. 3128 - Oblong Tuning Lever Tip. Each



WATANABE TIPS

1" long, chrome plated.

No. 14J-A - #1 Star Tip. Each



No. 14J-B - #2 Star Tip. Each



No. 14J-C - #3 Star Tip. Each

No. 3130 - #2 Star Tip, 2-1/2" Long. Each



TUNING TIPS FOR PIANO FACTORY LEVER

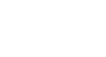
No. 14D - #2 Piano Factory Star Tip. Each



No. 14E - Piano Factory Square Tip. Each



No. 14F - #3 Piano Factory Star Tip. Each



NARROW WALL TUNING LEVER TIP

Used when tuning pins are very close together. Has a #2 star tip and will fit any Schaff No. 13 series head.

No. 14H - Tip 1-1/2" long. Each



FENDON NARROW WALL TUNING TIP

As developed by Schaff and Tom Fendon, this item is now an industry standard. The Fendon Tip is used when tuning pins are very close together (generally in small pianos), and a conventional tip is too large. Remember, this tip is not designed to take the stress for high tension notes in the piano's bass and tenor sections. Our chrome plated tuning tip will fit any Schaff lever, is 2-1/2" long and has a #2 star tip.

No. 17N - Fendon Narrow Wall Tuning Tip. Each



TIP ADAPTER

Screws into all tips. Square end fits into star tip. Enables the technician to quickly change tip to gain height over bearing bars, or to reach inaccessible locations.

No. 3131 - Tip Adapter. Each



TUNING LEVER TIP WRENCH

A necessity for tightening or removing Schaff star or square tips from their heads. Wrench is 4-1/2" long.

No. 11 - Tuning Lever Tip Wrench. Each



OBLONG TUNING LEVER TIP

This is an adapter tip to be used on older or square grand pianos that have oblong tuning pins. The square chucked end fits into the star tip of any tuning lever. 1-3/4" long, chrome plated.

No. 24 - Oblong Tuning Lever Tip. Each



TUNING FORKS



JOHN WALKER TUNING FORKS HAVE BEEN MANUFACTURED FOR MORE THAN 150 YEARS IN SHEFFIELD, ENGLAND BY THE RAGG FAMILY. THE JOHN WALKER TRADEMARK IS A GUARANTEE OF ACCURACY AND QUALITY WORKMANSHIP.



CHROMATIC TUNING FORK SET

Consists of 13 blued steel forks in the temperament octave from C-261.6 to C-523.3 (see chart). Forks vary in length from 5-5/32" to 6-1/2" long, and come in an attractive blue color leatherette case measuring 12-1/2" long x 6-1/2" wide x 1" deep.

No. 2124 - Blued Tuning Forks. Per Set

Note	Pitch in CPS
C	261.6
C#	277.2
D	293.7
D#	311.1
E	329.6
F	349.2
F#	370
G	392
G#	415.3
A	440
A#	466.2
B	493.9
C	523.3

Note - Any of the other tuning forks, with the frequencies listed in the chart, are normally available. Please contact us for pricing and availability. Also, on a special order basis, any fork with a given frequency can be ordered.

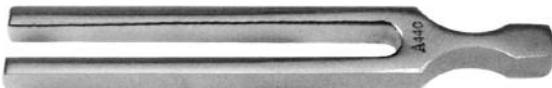


BLUED TUNING FORKS

Made from hardened and tempered blued steel with gilt lettering stamped for the note and frequency. Forks come in a vinyl pouch. Approximatley 5-1/2" Long.

No. 2110 - A-440 Tuning Fork. Each
No. 2111 - C-523.3 Tuning Fork. Each
No. 2113 - C-517.3 Tuning Fork. Each

No. 2115 - A-435 Tuning Fork. Each
No. 2110SP - A-442 Tuning Fork. Each
No. 2111SP - C-525.7 Tuning Fork. Each



NICKEL PLATED TUNING FORKS

These forks are much larger, measuring 3/8" wide, which provide a long, loud ring tone. The forks are nickel plated and come in a vinyl pouch. Approximatley 5-1/2" Long.

No. 2106 - Tuning Fork A-440. Each
No. 2107 - Tuning Fork C-523.3. Each



GOLD PLATED TUNING FORKS

Made from the same steel as our Standard Blued Tuning Forks but are gold plated. Individually packaged in a red leatherette case. Makes for an excellent gift.

No. 3296 - Gold Plated A-440 Tuning Fork. Each
No. 3297 - Gold Plated C-523.3 Tuning Fork. Each



TONE BAR SET

Excellent for demonstrating the principle of vibration and beats. There are two units per set with one bar tuned accurately to 440 cps and the other to exactly 441 cps. When struck together a distinct beat of one cycle per second is heard. Bars are of satin polished aluminum alloy 1/4" thick x 1-1/4" wide. Notes are mounted on tuned resonator boxes of natural finished hardwood. Comes with No. 2118 1" diameter rubber mallet.

No. 2117 - Tone Bar Set. Each
No. 2118 - Rubber Mallet, 1" dia. x 8" long. Each (not shown)



ALUMINUM TUNING FORKS

One-piece construction milled from heavy 3/8" x 1" tempered aluminum alloy. This construction means greater output of sound and exceptional duration of tone. Forks have a satin, non-tarnishing finish and come packed in a poly bag.

No. 2108 - Tuning Fork A-440, 6-3/4" long. Each
No. 2109 - Tuning Fork C-523.3, 6-1/2" long. Each

MUTES

RUBBER WEDGE MUTES

Made of durable natural rubber; not synthetics or plastics; assures longer wear. Correctly tapered. They cost more but are well worth the difference. Available in black color only.

No. 200 -

2-9/16" L x 1/4" W. Each



No. 201 -

4" L x 1/2" W. Each



No. 201-1/2 -

4" L x 1/4" W. Each



No. 202 -

6" L x 1/2" W. Each



No. 202-1/2 -

6" L x 1/4" W. Each



No. 203-1/2 -

3" L x 3/8" W. Each



No. 205 -

3" L x 3/4" W. Each



MUTE WITH WIRE HANDLE

No. 203 - Combines No. 203-1/2 rubber mute with No. 210 wire handle. Each



WIRE HANDLE

Overall length is 5-1/2" and can be used with any of the rubber mutes.

No. 210 - Wire Handle. Each



SPLIT TREBLE MUTE

For muting middle string.

No. 204 - Treble Mute. Each



TREBLE STICK MUTE

Split-end stick treble mute of maple; buckskin covered. 7-1/2" long.

No. 204-1/2 - Treble Stick Mute. Each



GANG MUTE

One piece rubber construction with 13 wedges. 6-1/2" long.

No. 211 - Gang Mute. Each



WOOL TEMPERAMENT STRIPS

Used to mute two octaves at once by pushing between the groups of strings with a screwdriver or flattened hammer shank. This is the most efficient way of setting a temperament. Measures 50" L x 3/4" W tapering to 1/2" W. 100% wool.

No. 209 - Standard, .165" thick. Each

No. 209T - Thin, .135" thick. Each

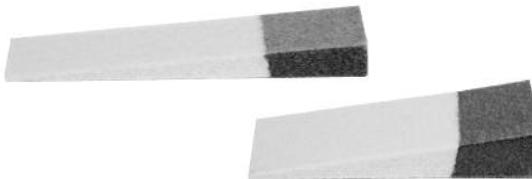
No. 209XT - Extra Thin .115" thick. Each



PAPP'S TREBLE MUTE

A practical mute of tweezer design imported from Britain. Made of nylon and comes with a case measuring 8" in overall length.

No. 207 - Papp's Treble Mute. Each



FELT MUTES

100% wool. Made from piano hammer top felt. Useful in bass section where rubber mutes can sometimes discolor copper windings.

No. 206A - 4-3/8" x 3/4". Each

No. 206B - 3-5/8" x 1-1/4". Each

PETERSON TUNING DEVICES



peterson
ELECTRO-MUSICAL PRODUCTS, INC.

AUTOSTROBETUNERS

Now with automatic note selection and stretch tuning capabilities

The new Peterson strobe tuners were designed to merge modern technology with stroboscopic precision, while meeting your practical needs. The new tuners offer +2/-1 shifted octave display, preprogrammed and programmable temperaments, adjustable pitch reference, digital accuracy to within 1/1000 of a semitone, digital vernier control, and an LCD screen for easy use. The AutoStrobes feature automatic note selection, which removes the need for selecting the proper note on the tuner. Preprogrammed temperaments include: Equal, Pythagorean, Just-Major, Just-Minor, Quarter Comma Mean-Tone, Werckmeister-III, Kirnberger-III and Young. The stretch version of the model 490 has built-in stretch tables and can also save and recall custom stretch tables.

A Peterson tuner will make your work easier, while allowing you to provide accurately tuned pianos for your customers! When using a Peterson tuner you will find that it is the most advanced tuning device available. Peterson tuners are simple to use, light-weight and excellent tool for piano technicians.

AUTOSTROBE 590 AUDIO/VISUAL TUNER

The 590 features an audible tuner, a built-in speaker, and a headphone jack. You can simultaneously see and hear the pitch that you are tuning to when using the Model 590.

AUTOMATIC NOTE SELECTION

IMPROVED CLARITY FOR UPPER AND LOWER REGISTER NOTES -

+2/-1 display feature shifts the strobe patterns into more visible middle ranges - Bass note patterns can be displayed 2 octaves higher, and treble note patterns can be displayed 1 octave lower in strobe display.

- CARRYING CASE INCLUDED
- A BUILT-IN CONDENSER MICROPHONE
- HEADPHONE JACK FOR HEARING THE INTERNAL OR EXTERNAL MICROPHONE
- BUILT-IN AUDIBLE TUNER WITH A FIVE OCTAVE RANGE

No. PT-590 - Tuner. Each



BUILT-IN SPEAKER
BUILT-IN HEADPHONE JACK

AUTOSTROBE 490 STROBE TUNER

Peterson Strobe tuners instantly read and display a pitch as it is sounded. With a Peterson AutoStrobe 490 tuner you will have the fastest and most accurate display of a pitch.

AUTOMATIC NOTE SELECTION

IMPROVED CLARITY FOR UPPER AND LOWER REGISTER NOTES -

+2/-1 display feature shifts the strobe patterns into more visible middle ranges - Bass note patterns can be displayed 2 octaves higher, and treble note patterns can be displayed 1 octave lower in the strobe display.

- CARRYING CASE INCLUDED
- A BUILT-IN CONDENSER MICROPHONE

No. PT-490 - Tuner. Each



AUTOSTROBE 490 STRETCH TUNER

THE AUTOSTROBE 490ST TUNER has all the great features of the AutoStrobe 490 and also includes stretch tuning capabilities. The Model 490ST has built-in stretch setting and also allows you to save the off-sets of a particular instrument for recall at a later time.

- A BUILT-IN CONDENSER MICROPHONE
- PREPROGRAMMED STRETCH TABLES including tables for spinet to grand pianos
- USER DEFINABLE STRETCH (CURVE) TABLES store and recall up to 31 custom stretch tables.
- CARRYING CASE INCLUDED

No. PT-490ST - Tuner. Each



STROBOPLUS HD TUNER

The StroboPlus HD Tuner is a compact rechargeable tuner that can chromatically tune to exacting standards or use any of the 90 preset temperaments / Sweetened Tunings™, USB Rechargeable hi-ion battery, Backlit display, Concert A setting adjustable from 380hz – 490hz, Multi-octave Sweetened and Stretch Tunings

No. PT-SP - Tuner. Each



SCHAFF TOOL AND SERVICE KITS

Our constant aim is to find more ways to better serve our customers. The following kits of tools have been specially selected as a "starter kit" in several repair areas of piano work. These kits are intended to assist our customer in selecting tools for an area of work in which they have had no previous experience. All of the kits below have been priced below the cost of purchasing the individual tools, therefore, we cannot allow substitution.



#1 BASIC TUNING KIT

Includes:

- No. 7 - Tuning Lever. 1 ea.
- No. 2111 - Tuning Fork C-523.3. 1 ea.
- No. 209 - Temperament Strip. 1 ea.
- No. 202 - Mutes. 2 ea.
- No. 203 - Mutes. 2 ea.
- No. 205 - Mutes. 4 ea.



#2 STRINGING KIT

Includes 1 each of the following:

- No. 106 - Bearing Check Gauge.
- No. 132 - String Stretcher.
- No. 109 - Tuning Pin Crank.
- No. 108 - Tuning Pin Setter.
- No. 110 - Tuning Pin Extractor.
- No. 174A - Tuning Pin Punch.
- No. 134 - Combination String Spacer & Lifter.
- No. 171 - Coil Setter-Tightener.
- No. 225B - Piano Wire Cutters.
- No. 342 - Music Wire Gauge.



#3 MUSIC WIRE ASSORTMENT KIT

Includes:

Twelve 1/3 lb. coils of Röslau piano wire without brake.

Available in the following gauges:

1 coil each of #13, 13-1/2, 14, 14-1/2, 15, 15-1/2, 16, 16-1/2, 17, 18, 19, 20



#5 REGULATING TOOL KIT

Includes 1 each of the following:

- No. 26 - Combination Tool Handle.
- No. 31C - Screw Driver, 8" long.
- No. 32C - Screw Driver, 8" long.
- No. 67A - Regulating Screwdriver, 7" long.
- No. 61A - Damper Regulator, Offset Angle.
- No. 85 - Spoon Bender.
- No. 464 - Offset Key Spacer.
- No. 472 - Bent Back Check Regulator.

#6 HAMMER REPLACEMENT KIT

Includes:

- No. 76A - High Speed Drill. 1 ea.
- No. 103B - Felt Picker. 1 ea.
- No. 218 - Sandpaper File. 1 ea.
- No. 130A - Extractor. 1 ea.
- No. 130B - Clamp. 1 ea.
- No. 75 - Shank Reducer. 1 ea.
- No. 113 - Smoothing Iron. 1 ea.
- No. 3506 - Hammer Shank Repair Sleeves. 1 dz.
- No. 237 - Hammer Shank Nippers. 1 ea.
- No. 504 - Upright Hammer Shanks. 1 doz.
- No. 3716 - Spinet Hammer Shanks. 1 doz.

#8 MASTER TOOL KIT

Includes 1 each of the following:

- No. 874 - 8" Screw Holder
- No. 127 - Jack Spring Hole Reamer
- No. 196 - Grand Hammer Butt Spacer
- No. 158 - Punching Lifter
- No. 33A - Phillips Screwdriver, 8" long.
- No. 38 - Phillips Screwdriver 5" long.
- No. 31C - Screwdriver Blade 8" long.
- No. 32C - Screwdriver Blade 8" long.
- No. 464 - Offset Key Spacer
- No. 67A - Regulating Screwdriver 7" long.
- No. 61A - Damper Regulator
- No. 61B - Straight Damper Regulator
- No. 61C - Right Angle Damper Regulator
- No. 4105 - Grand Screwdriver 5" long.
- No. 4106 - Kimball Screwdriver 8" long.
- No. 4102 - Grand Drop Screw Regulator 5" long.
- No. 472 - Bent Backcheck Regulator
- No. 85 - Spoon Bender
- No. 97 - Steinway Capstan Regulator
- No. 34 - Flange Screwdriver
- No. 91C - Grand Spring Adjuster
- No. 37 - Grand Screwdriver, 8" long.

REGULATING TOOLS



COMBINATION TOOL HANDLE

A space and weight saving, multi-purpose handle that fits the entire set of regulating tools. Tools are secured and released by slight turn of compressing nut. Octagon plastic handle, overall tool length is 5".

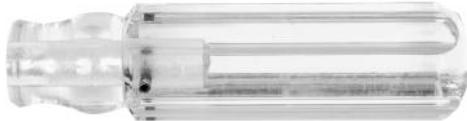
No. 26 - Combination Handle. Each



ROSEWOOD COMBINATION TOOL HANDLE

Similar to our No. 26 Combination Tool Handle, but rosewood.

No. RL-13 - Rosewood Combination Tool Handle. Each



FRICITION TOOL HANDLE

This plastic handle, measuring 3-1/2" long, is a fluted octagon shape like our No. 26 combination handle.

No. 150 - Friction Tool Handle. Each



BENT BACK CHECK REGULATOR

Used to bend either back check or bridle wire in any direction; shaped so it can be used without taking out the nameboard. Tool is 5" long and nickel plated.

No. 472 - Back Check Regulator. Each



OFFSET KEY SPACER

The offset in this tool makes it easy to reach past the front row of key pins when twisting or bending pins under the sharp keys. 6" long, chrome plated.

No. 464 - Offset Key Spacer. Each



KEY SPACER

The tool is used for regulating key pins. Chrome plated.

No. 59B - Key Spacer, 9" long. Each



3 WAY DAMPER REGULATOR

Same as No. 3146, but for combination handle.

No. 3147 - 3 Way Damper Regulator. Each



DAMPER REGULATORS

Used by inserting between the hammer shanks several notes away from the one to be adjusted. Wire can be bent forward, backward, or to the side, as required. Chrome plated.

No. 61A - Offset Angle, 7" long. Each

No. 61B - Straight, 7" long. Each

No. 61C - Right Angle, 7" long. Each



HAMMER SHANK REDUCER

Used to remove glue, and reduce size of hammer shanks to fit new hammer heads exactly. Slight turn of nut adjusts size to within 1/100 of an inch. Tool is 2-3/4" long, nickel plated.

No. 75 - Hammer Shank Reducer. Each



ACTION REGULATOR

A back check and bridle wire bending tool that is straight with an overall length of 8". Chrome plated.

No. 96 - Action Regulator. Each



SLOTTED SCREWDRIVER

This chrome plated screwdriver has 1/4" diameter shank and 5/16" wide blade.

No. 31C - Screwdriver, 8" long. Each



SLOTTED SCREWDRIVER

This chrome plated screwdriver has 3/16" diameter shank and 1/4" wide blade.

No. 32C - Screwdriver, 8" long. Each

REGULATING TOOLS



PHILLIPS SCREWDRIVER

The No. 2 phillips screwdriver has a 1/4" diameter shank and is finished in polished steel.

No. 33A - Phillips Screwdriver, 8" long. Each



PHILLIPS SCREWDRIVER

This No. 1 phillips screwdriver has a 3/16" shank, is 5-1/2" long and is chrome plated.

No. 38 - Phillips Screwdriver. Each



GRAND SCREWDRIVER

Tool is 5" long with both the shank diameter and blade width being 1/8". Polished steel.

No. 4105 - Grand Screwdriver. Each



KIMBALL SCREWDRIVER

Designed for Kimball damper lever screws. Tool is 8" long with both the shank diameter and blade width being 1/8". Polished steel.

No. 4106 - Kimball Screwdriver. Each



FLANGE SCREWDRIVER - SLOTTED

This is a special designed screwdriver for hard to reach action screws. Blade is 3/8" wide with shank diameter of 1/4" tapering to 5/32". Chrome plated.

No. 34 - Flange Screwdriver, 8" long. Each

No. 35 - Flange Screwdriver, 4-1/2" long. Each



FLANGE SCREWDRIVER - PHILLIPS

The thin shank will permit passing the jack to reach upright flange screws. May also be used for damper screws. Do not use for general screwdriving, as shank is not sufficiently strong. 1/8" shank, 8" long, blade 1/4" wide.

No. 3115 - Screwdriver Blade for Flange Phillips Screws. Each



GRAND SCREWDRIVER

A specially designed tool with a 3/16" wide opening to regulate grand key rail prop nuts. Having a 1/4" diameter shank and measuring 8" long, this screwdriver is chrome plated.

No. 37 - Grand Screwdriver. Each



GRAND ACTION SCREWDRIVER

Made of fine quality tool steel, this 7" long screwdriver has a 1/8" wide shaft and blade that is black oxide. Plastic handle is 2" long.

No. 193 - Grand Action Screwdriver. Each



SPOON BENDER

For ease in adjusting the spoon, the angle of this tool facilitates getting under and around the whippens without removing the piano action. Being 6" long and chrome plated, this spoon bender can be used on direct blow type actions.

No. 85 - Spoon Bender. Each



SPOON BENDER

For use in reaching under key beds on spinet drop action pianos. 12" long, chrome plated.

No. 87 - Spoon Bender. Each



SPOON AND WIRE BENDER

No. 3114 - Spoon and Wire Bender. Each



SPOON AND WIRE BENDER

New slender design. Japanese style.

No. R-9 - Spoon and Wire Bender. Each



DOUBLE HEAD SCREWDRIVER

Tool is 5" long and chrome plated. Both blades are 5/16" wide.

No. 73 - Screwdriver. Each

REGULATING TOOLS



REGULATING SCREWDRIVER

Chrome plated tool has 5/16" wide opening for turning large regulating screws. 1/8" diameter shank allows for easy access into piano action.

No. 67 - Regulating Screwdriver, 5" long. Each

No. 67A - Regulating Screwdriver, 7" long. Each

No. 67B - Regulating Screwdriver, 12" long. Each



BACK CHECK REMOVER

This tool is designed to fit over the back check for either regulation or easy removal. Regulator measures 6-1/2" long and is chrome plated.

No. 70 - Back Check Remover. Each



DROP LIFTER ACTION BUTTON REGULATOR

Regulates lost motion on Pratt-Read drop actions. 5" long, chrome plated.

No. 3333 - Regulator. Each



STICKER HOLDER TOOL

Holds the sticker while you regulate the lost motion. 5" long, chrome plated.

No. 3335 - Regulator. Each



SCREWDRIVER WITH FINDER

Used to regulate lost motion on W. & B. drop actions. Tool has a 1/4" wide recessed blade, is 5" long and is chrome plated.

No. 3337 - Screwdriver With Finder. Each



WURLITZER SCREW EXTRACTOR

A specialty tool designed for removing broken action bracket screws from Wurlitzer vertical pianos. The serrated end of the tool allows for gripping the broken screw and easing it out of the piano. Tool fits combination handle, is 12" long and chrome plated.

No. 74 - Wurlitzer Screw Extractor. Each



GRAND DROP SCREW REGULATOR

A beautifully designed tool with a 1/8" long recessed opening that helps locate and regulate grand repetition lever screws. All regulators have 1/8" diameter shanks and are chrome plated.

No. 4102 - Drop Screw Regulator, 5" long. Each

No. 4103 - Drop Screw Regulator, 9" long. Each



ULTRA SLIM REGULATING SCREWDRIVER

For grand repetition lever screws, and grand butt screws with flattened ends.

No. 3141 - 9". Each



GRAND DROP SCREW REGULATOR

The same tool as our No. 4102 Regulator except for the 2" long plastic handle. 1/8" diameter shaft is chrome plated. Regulator is 7" long with a 1/8" wide recessed slot for use on grand repetition lever screws.

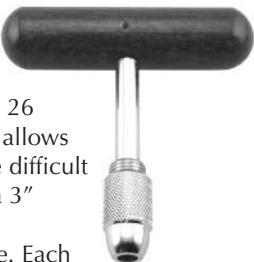
No. 194 - Grand Drop Screw Regulator. Each



HANDY HAMMER

Stainless steel hammer head for little jobs that require a small hammer. Used with our combination handle, the handy hammer saves space in your tool box. Hammer is 3-1/2" long overall and has a 7/8" diameter head that is 2" long.

No. 36 - Handy Hammer. Each



"T" COMBINATION HANDLE

Tool has all the same functions as our No. 26 combination handle. The "T" style handle allows for greater pressure to be exerted for those difficult situations. The handle is 4" long and has a 3" chrome plated shaft and collar.

No. 79N - Nylon "T" Combination Handle. Each



GRAND AGRAFFE REMOVER

A fast, simple way for removing and replacing agraffes. Slotted head measures 7/16" long x 3/16" wide. Tool is 5" long and is chrome plated.

No. 30 - Grand Agraffe Remover. Each

REGULATING TOOLS



REGULATING SCREWDRIVER

This tool has a very unique design in that the 3/8" diameter ball end has crossing, oval openings that allow regulating eye screws to be turned at any 90° angle. The guesswork of locating regulating screws is eliminated with this tool. Overall length is 8", chrome plated and fits our No. 26 Combination Handle.

No. 269 - Regulating Screwdriver. Each



UNIVERSAL GRAND LET-OFF REGULATOR

Measuring 5-1/2" long, this accurately machined wrench made from high-polished stainless steel enables precise adjustment of jack escapement in any grand piano made in the USA without removing the action. One side for precise eye type regulating the other for dowel type.

Developed by Keith Akins, RPT.

No. 3149 - Universal Grand Piano Let-Off Regulator. Each



POINTED AWL

This hardened steel awl has a sharp three cornered point for making pilot holes for wood screws, holes in leather, etc. 1/8" shank, 5" long.

No. 3111 - Pointed Awl. Each



DAMPER SCREW REGULATOR

An ingenious tool with a finder designed to fit over damper screws for ease of regulation. The recessed screwdriver blade is 3/16" long. Regulator is 8" and chrome plated.

No. 4107 - Damper Screw Regulator. Each



UPRIGHT BACKCHECK BENDER

7" long, an excellent tool for bending upright backchecks.

No. 3104 - Upright Backcheck Bender. Each



ACTION REGULATING TOOL

For bending wires in action regulating. 9-1/2" long, notched for combination handle.

No. 3135 - Action Regulating Tool. Each



ACTION REGULATING TOOL

Particularly useful for bending wires when regulating drop actions. 11" long.

No. 3137 - Notched for Combination Handle. Each



GRAND DAMPER HOOK

This tool is designed to come up under the strings over the guide rail, and fit around the damper wire near the damper head for precise regulation. The damper hook has a 5/64" slot, a 3/16" diameter, chrome plated shaft and is 12" overall length.

No. 93 - Grand Damper Hook. Each



KEY BALANCE HOLE BURNISHER

Used with a combination handle, this specially tapered tool is designed to be inserted from the top, bushing side of the key so that the balance hole can be properly sized. Tool has a 1/8" shaft flared to 3/16" and then tapered to a point. Overall length is 4", chrome plated.

No. 43 - Key Balance Hole Burnisher. Each



BALANCE PIN HOLE REAMER

Fits through the key button, and permits reaming the balance pin hole with the cutting edges.

No. 3156 - Balance Pin Hole Reamer. Each



UPRIGHT FLANGE SPACER

Measuring 9" overall with a 1/4" diameter shaft and an 11/16" wide blade, this tool is designed for lining up upright butt and whippin flanges. Polished steel.

No. 65 - Upright Flange Spacer. Each



DAMPER REGULATOR

With this regulator being 12-1/2" long, upright damper wires can be bent by inserting this tool into the action from the side, several notes away. Slot at tool's end is 1/8" wide. Chrome plated.

No. 92 - Damper Regulator. Each

REGULATING TOOLS



SPRING HOOK

A general purpose tool used for positioning all types of action springs. Hook is polished steel, handle is 2" long and plastic.

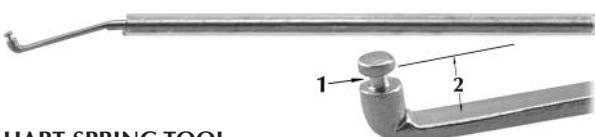
No. 91A - Spring Hook, 5" long. Each
No. 91B - Spring Hook, 8" long. Each



SPRING HOOK

A multi-purpose tool that adjusts tension on grand repetition springs as well as positioning hammer and damper springs on upright pianos. Nickel plated, 6-1/2" long.

No. 91C - Spring Hook. Each



HART SPRING TOOL

Developed by piano technician, Glen Hart, this patented spring tool is considered the best one in the industry. Measuring 7" long with a plastic sleeve handle, the tool is made of stainless steel and will last a lifetime. Referring to the diagram, notice the circular notch (1) that allows tool use in any position. All types of upright and grand piano action springs can be manipulated from any angle without any worry about kinking. Another unique advantage of this spring tool is shown as item (2) in diagram. The distance from the flat side of tool to the notch equals the measurement from the side of the repetition lever to the center of the spring seat. Grand repetition springs can be removed and replaced without any guesswork.

No. 895 - Hart Spring Tool. Each



HART VOICING TOOL

Through the string grand voicing tool for fine voicing of individual hammers. This slender 9" brass tool allows easy access to hammers without pulling out the action. Needle is held by a set screw, and is replaceable.

No. 897 - Hart Voicing Tool. Each



BUTT PLATE INSERTER

Used for holding brass butt plates while installing brass flange repair clips. Tool is 8-1/2" long, nickel plated with plastic handle.

No. 128 - Butt Plate Inserter. Each



MASON & HAMLIN WRENCH

Originally, this tool was designed to tune Mason & Hamlin "screw stringer" pianos. Measuring 4-1/2" long and 3/8" wide, this chrome plated wrench is used to adjust the jack regulating screw on current day grand pianos without removing the action.

No. 19 - Mason & Hamlin Wrench. Each



ROCKER SCREWDRIVER

Made from chrome plated tool steel, this screwdriver is 8" long and has 5/16" wide blades.

No. 81 - Rocker Screwdriver. Each



CAPSTAN AND KEY PIN REGULATOR

A two in one tool that can regulate both the front key pin and capstan screw. 7" long, chrome plated.

No. 82 - Capstan & Key Pin Regulator. Each



CAPSTAN SCREWDRIVER

Made from stainless steel this capstan regulator is 8" long.

No. 83 - Capstan Screwdriver. Each



UNIVERSAL CAPSTAN SCREW REGULATOR

For grands and uprights. Slotted end regulates Steinway, Baldwin and other pianos with square shouldered capstans. Pointed end regulates any capstan having a perforated head. 9" long, chrome plated.

No. 86 - Universal Capstan Screw Regulator. Each



CAPSTAN REGULATOR

Designed primarily for regulating the dowel type capstans on Yamaha upright pianos. The end of this tool is very narrow to accommodate the small holes in the capstan dowels. Overall length is 11-1/2" that includes a 3-1/2" wood handle and an 8" chrome plated shaft.

No. 88 - Capstan Regulator. Each

REGULATING TOOLS



SQUARE CAPSTAN SCREW WRENCH

A double sided tool with one end having a 1/8" wide opening, the other end 3/16" wide. Chrome plated.

No. 84A - Capstan Screw Wrench, 4" long. Each

No. 84B - Capstan Screw Wrench, 8" long. Each



ANGLED CAPSTAN SCREW WRENCH

Similar to our Nos. 84A and 84B except that the open end has a 45 degree angle for ease of regulating the capstan underneath the key. 6" long, chrome plated.

No. 84C - Angled Capstan Wrench, 3/16" wide opening. Each

No. 84D - Angled Capstan Wrench, 1/8" wide opening. Each



SQUARE CAPSTAN REGULATOR

Fits most square shoulder capstan screws. Double bend facilitates positioning.

No. 3112 - Square Capstan Regulator. Each



OFFSET SQUARE CAPSTAN REGULATOR

Fits most square shoulder capstan screws.

No. 3113 - Offset Square Capstan Regulator. Each



STEINWAY CAPSTAN SCREW REGULATOR

Measuring 7-1/2" long x 5/8" wide, this regulator is for Steinway piano capstans. Tool has both end openings measuring 5/16" wide and is nickel plated.

No. 97 - Steinway Capstan Screw Regulator. Each



KIMBALL LOST MOTION REGULATOR

A specialty tool for regulating the special button on Kimball drop actions. 6" long, chrome plated. For 3785 Grommets.

No. 60 - Kimball Lost Motion Regulator. Each



GRAND DAMPER WIRE EASER

Used for releasing pressure on bushing cloth around damper wires without removing the damper. 3-1/2" long wooden handle with brass plated shaft makes the tool's overall length 7-1/2".

No. 195 - Grand Damper Wire Easer. Each



GRAND HAMMER BUTT SPACER

For correctly spacing grand hammer shanks and hammer heads. The 6-1/2" long spacer has openings of 3/8" and 5/16" on either end.

No. 196 - Grand Hammer Butt Spacer. Each



MANNINO FLANGE/KEYFRAME TOOL

This tool has 2 functions: spacing flanges and regulating keyframe glides. It was designed for servicing Kawai grand piano actions, but is equally suitable for work on any piano with a similar type of hammer flange, and for any action with balance rail glides having a tuning pin style tip such as Kawai, Steinway and Yamaha.

No. 119 - Mannino Flange/Keyframe Tool. Each



FENDON GRAND AND UPRIGHT BACKCHECK BENDER

Through the help of fellow piano technician, Tom Fendon, we have improved our backcheck bender to be dual-purpose. One end of the tool bends wires forward or backward on grands, the other end is for upright backchecks. The upright end is notched out for access around the bridle wire. Tool is 6-1/4" long and chrome plated.

No. 197 - Fendon Backcheck Bender. Each



JACK SPRING HOLE REAMER

Tool is designed with serrated teeth to remove glue from jack spring hole, permitting easy replacement of jack spring. 5" long, chrome plated.

No. 127 - Jack Spring Hole Reamer. Each

TECHNICIAN'S TOOLS



HAMMER VOICING TOOLS

All three of these voicing tools have nickel plated, brass heads that allow for individual needle adjustment. Overall length is 5" including the 2-1/2" handle.

No. 103A - Straight Head, 4 Needles. Each

No. 103B - Straight Head, 3 Needles. Each (not shown)

No. 103C - Curved Head, 4 Needles. Each (not shown)



ADJUSTABLE HEAD VOICING TOOL

Designed to be rotated into three different positions to accommodate individual voicing techniques. Overall length is 4-1/2" with a 2-1/2" handle.

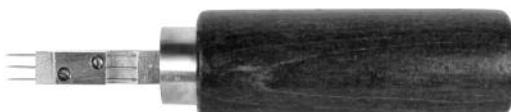
No. 105 - Adjustable Head Voicing Tool. Each



ADJUSTABLE VOICING TOOL FOR COMBINATION HANDLE

Schaff is the originator of this voicing tool to be used with a larger combination handle. Like our No. 105 Voicing Tool, this comes with 4 needles. 3" long.

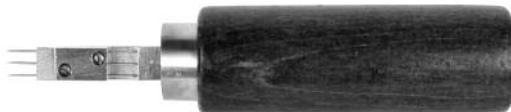
No. 104 - Voicing Tool For Combination Handle. Each



VOICING TOOL

Same as No. 3144W but not weighted, 3.50 oz.

No. 3144 - Voicing Tool. Each



WEIGHTED VOICING TOOL

New style with heavily weighted handle. 5-3/8" long, exclusive of needles. Rosewood handle, 1-1/4" dia. X 4" long, 3 needles, 10 oz. With needle protector.

No. 3144W - Weighted Voicing Tool. Each



REPLACEMENT VOICING NEEDLES

Can be used with any of the voicing tools. 20 pcs. per package of size No. 6 needles. 1-1/2" long.

No. 107 - Replacement Voicing Needles. Per Pkg.



PROFESSIONAL VOICING TOOL

Ergonomically designed professional voicing tool with hardwood handle. 3 needles mounted with hex set screws. 6-1/2" overall length. 6.5 ounces. Includes cover.

No. 3310 - Professional Voicing Tool. Each



ADJUSTABLE VOICING TOOL

Ergonomically designed adjustable voicing tool with hardwood handle. 3 needles easily adjust up or down for precision voicing. 6-1/2" overall length.

No. 3315 - Adjustable Voicing Tool. Each



GLOVERS VOICING NEEDLES

An alternative to the conventional round needles, these English made, three cornered needles are preferred by some technicians. Needles are 1-1/2" long and are cornered for the lower 1/2". Three sizes offered, 25 needles per package.

No. 898A - Gloves Needles, Size No. 4 (.031). Per Pkg.

No. 898B - Gloves Needles, Size No. 5 (.029) Per Pkg.

No. 898C - Gloves Needles, Size No. 6 (.027) Per Pkg.



HAMMER HEAD SMOOTHING IRON

Must be heated to iron felt hammer heads. Polished brass head is 2-1/4" and overall length with hardwood handle is 7".

No. 113 - Hammer Head Smoothing Iron. Each



ELECTRIC HAMMER HEAD SMOOTHING TOOL

A Weller Mfg. soldering iron in either 40 or 80 watts used with a formed solid brass tip that evenly distributes heat for ironing felt hammer heads. 10" overall length.

No. 905 - 80 Watt Electric Smoothing Iron. Each

No. 905A - 40 Watt Electric Smoothing Iron. Each

TECHNICIAN'S TOOLS



TWEEZERS

Invaluable to the technician for placing or removing punchings, bridle straps and center pins. Chrome plated.

No. 160A - Tweezers, 6" long. Each

No. 160C - Tweezers, 8" long. Each

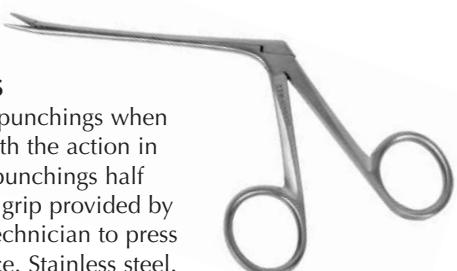
No. 160D - Tweezers, 12" long. Each



CURVED END TWEEZERS

Fine, 6" tweezers with curved end. Stainless steel.

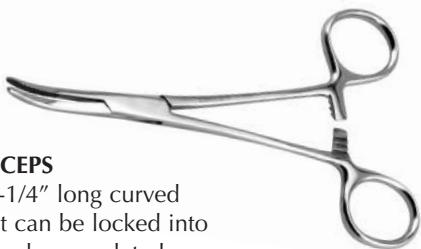
No. 3210 - Curved End Tweezers. Each



ALLIGATOR FORCEPS

For insertion of paper punchings when leveling grand keys with the action in place. Simply slit the punchings half way through. The firm grip provided by this tool enables the technician to press the punching into place. Stainless steel.

No. 3212 - Alligator Forceps. Each



CURVED NOSE FORCEPS

These forceps have 1-1/4" long curved and serrated jaws that can be locked into place. Tool is 6" long, chrome plated.

No. 162 - Curved Nose Forceps. Each



CURVED NOSE SCISSORS

These scissors are perfect for cutting felt and cloth. 6" long, nickel plated.

No. 164 - Curved Nose Scissors. Each



SANDPAPER FILE

Measuring 9" long x 1-1/8" wide, this tool is primarily designed to file hammer heads. New sandpaper strips are easily attached and will not slip.

No. 218 - Sandpaper File. Each

No. 219 - Replacement Sandpaper Strips. 11" long. Per Doz.



SOUNDBOARD SHIMMING TOOL

The wedge shaped cutting tool is made of high grade tool steel that is chrome plated. With a 4-1/2" wood handle and an overall length of 8-1/2", this shimming tool is used for opening cracks in the soundboard to prepare for gluing wooden shims.

No. 102 - Soundboard Shimming Tool. Each



SHIMMING CHISEL

This tool opens up a perfect "V" joint of proper depth, trims the wooden shim after it is glued and scrapes it smooth. Made from high quality tool steel that is lacquered. Blade is 1" wide and overall tool length is 9-1/2".

No. 187 - Shimming Chisel. Each



WOOD CHISEL

This is an excellent on-the-spot technician's tool that can be used with a combination handle. Chisel is 4" long with a 1/2" wide cutting blade. Black oxide finish.

No. 39 - Wood Chisel. Each



PUNCHING LIFTER

Used to take punchings on and off key pins. Lifter is 6" long and is nickel plated.

No. 158 - Punching Lifter. Each



CORK INSERTER

An all aluminum tool used with a combination handle to insert cork bridle straps into the hammer butt catcher hole. 4" long.

No. 141 - Cork Inserter. Each



SPRING CLIP INSERTER

Another ingenious tool only available from Schaff. A molded plastic saddle, at the end of the wood shank, accepts the brass spring clip for easy insertion of the bridle strap on to the hammer butt. 5-3/4" long.

No. 140 - Spring Clip Inserter. Each

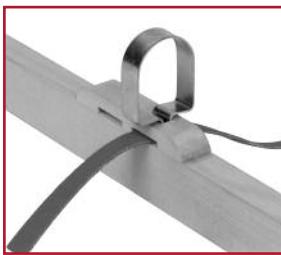
TECHNICIAN'S TOOLS



JACK HOLDING TOOL

A handy tool to be inserted between the jack and the let-off button. Spring pressure keeps the jack away for easy removal of butt flange screws. Made from black oxide spring steel, 3-1/4" long.

No. 129 - Jack Holding Tool. Each



KEY BUSHING WEDGE CLAMP

Made from zinc plated spring steel, this new style clamp allows for faster and more professional looking rebushing jobs. Can be used on both the center and front key bushing. Clamp is 1-3/4" high.

No. 151 - Key Bushing Wedge Clamp. Each



LARGE SLOTTED SCREWDRIVER

A slotted screwdriver with a squared end to fit into any tuning lever tip. 3/8" wide blade is useful for tightening plate screws. 4-1/4" long, made of tool steel.

No. 878 - Large Blade Screwdriver. Each



LARGE PHILLIPS SCREWDRIVER

A No. 4 phillips screwdriver with a squared end to fit into any tuning lever tip. Good for tightening plate screws. 4-1/4" long, made of tool steel.

No. 879 - Large Phillips Screwdriver. Each



SCREWDRIVER ATTACHMENTS

A unique and compact approach to having extra large screwdriver blades readily available. One end fits any tuning lever tip, and the other accepts the four large screwdriver tips. Included are 5/16" and 1/2" slotted blades and a No. 2 and No. 4 phillips blade. The 2" long chuck holder is nickel plated, the screwdriver blades are black oxide.

No. 68 - Screwdriver Attachments. Each



HAMMER HEAD AND BUTT EXTRACTOR

Both extractors are used to remove either the hammer head or butt from the hammer shank. The screw type mechanism exerts even pressure to prevent damage. The beveled plate with adjusting nut is used on hammer heads set at an angle. The regular upright extractor can be used on all shanks measuring greater than 3-1/4" long, whereas the spinet extractor can accommodate a shank distance only 2-3/4" long. Both tools are nickel plated.

No. 130A - Upright Extractor. Each

No. 130AS - Spinet Extractor. Each



CLAMP

Whenever a hammer shank is broken, this clamp is to be used with either No. 130A or No. 130AS Extractor. Clamp is 1-1/2" long and nickel plated.

No. 130B - Clamp. Each



VISE GRIP SHANK CLAMP

Another Schaff multi-purpose tool that was developed with the help of a fellow piano technician. This is a great tool for a compact tool case. Used as a hammer shank clamp, the vise grip action saves time as compared to the hand screw type. Overall length 5-1/2", nickel plated.

No. 130VG - Vise Grip Shank Clamp. Each



GRAND SHANK PRESS

Measuring 3-1/2" in overall length, this tool removes grand piano hammer heads by pressing the shank through the hammer heads. The base is a polished brass casting, the screw is nickel plated.

No. 131 - Grand Shank Press. Each

TECHNICIAN'S TOOLS



BRIDGE PIN DRILLS

These 2" long, high speed drills are recommended for bridge pins from size No. 6 to No. 10.

Stock#	Bridge Pin size	Size	Diameter
72A	6	#49	.0730"
72B	7	#45	.0820"
72C	8	#42	.0935"
72D	9	#36	.1065"
72E	10	#30	.1285"



HAMMER SHANK DRILLS

Brad tip drills provide the cleanest, straightest and most accurate holes while drilling angles in hammer heads. Drills are 4-1/8" long.

Stock#	Size	Diameter
76C	3/16"	.1875"
76B	13/64"	.2031"
76-5	#5	.2055"
76-3	#3	.2130"
76A	7/32"	.2188"
76-2	#2	.2210"
76-1	#1	.2280"



BUTT AND HAMMER SHANK DRILL

A brad point drill, 7/32" diameter, that is an extra long 5" in length. Fits combination handle or power drill.

No. 77 - Butt and Hammer Shank Drill. Each



LID PROP BLOCK

New, improved device for holding vertical piano lids open while tuning or servicing the piano. Prevents marring of customer's wall. Made from formed brass with the outside of the lid prop covered with felt. 5" long.

No. 212 - Lid Prop Block. Each



CHALK CHUCK

A convenient tool to carry for your marking requirements. Chalk easily extends or retracts into the 3-1/2" long aluminum holder.

No. 161 - Chalk Chuck. Each



DOUBLE END PIN VISE

A must tool for holding various sizes of center pins and flange bushing tools. Each side of the vise has two collets to give a jaw capacity of 0" to .118". Vise is 4" long, nickel plated.

No. 149 - Double End Pin Vise. Each



PIN VISE

A single jaw and collet pin vise that has a capacity of 0" to .052". Can be used with most flange bushing tools. 4-1/4" long.

No. 152 - Pin Vise. Each



WOODEN HANDLE

A finished hardwood handle that can be used with flange bushing tools. 2-3/8" long.

No. 157 - Wooden Handle. Each

REAMER

Flange bushing reamer that is cornered and tapered. 3-3/4" long.

No. 153 - Reamer. Each

RAT TAIL FILE

Flange bushing rat rail file that is tapered. 4-3/8" long.

No. 154 - Rat Tail File. Each

BURNISHER

Flange bushing burnisher that is tapered from .046" to .066". 4" long.

No. 155 - Burnisher. Each



CENTER PIN PUNCH

Punch is used for removing center pins from flanges. 3-1/4" long, nickel plated.

No. 176 - Center Pin Punch. Each



FLANGE BUSHING DRILL

Used for drilling out flange bushing holes. Drill is 2-3/4" long.

No. 71 - 7/64" Flange Drill. Each

No. 71A - .104" Flange Drill. Each

No. 3201 - Flange Bushing Drill With Wood Handle. Each



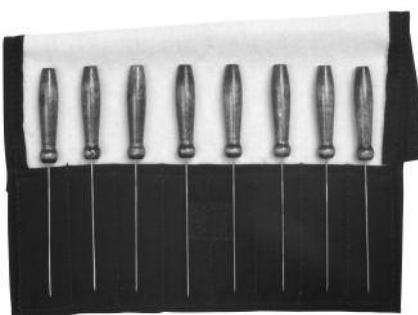
TECHNICIAN'S TOOLS



HALE BUSHING TOOL KIT

Contains 5 correctly shaped tools for rebushing and repinning action flanges. Packed in convenient cloth kit with instructions. Tools included: No. 176 - Center Pin Punch, No. 153 - Reamer with No. 157 Handle, No. 154 - File with No. 157 Handle, No. 155 - Burnisher with No. 157 Handle and No. 3201 - Drill with No. 157 Handle

No. 3122 - Hale Bushing Tool Kit. Each



FLANGE BUSHING BROACH KIT

Developed by Don Manino, a fellow P.T.G. member and convention instructor, this kit includes 8 wire broaches measuring between .048" to .055" diameter thick by 6" in length. The broach wire is pointed on the end and has a 1/2" long roughened area at the center. The proper size broach is inserted thru the bushed flange and, in one operation, the bushing is cut or reamed as well as burnished. Upon request, we will send a copy of a magazine article reprint detailing the Mannino approach to re-centering flange bushings.

No. 220 - Flange Bushing Broach Kit. Each



SCREWHOLDER

Ideal for holding flange screws. No. 873S is designed to hold wood screws No. 0-4 and sheet metal screws No. 2-4. No. 873L is designed to hold wood screws No. 4-7 and sheet metal screws No. 4-6.

No. 873S - Small, 10" Long, 7/32" shaft dia. Each

No. 873L - Large, 10-1/2" Long, 5/16" shaft dia. Each



RIGID SHAFT SCREWHOLDER

Being spring loaded, this is a very useful tool for removal or replacement of flange screws. 8" long, nickel plated.

No. 874 - Rigid Shaft Screwholder. Each



HYPOTERAPIST OILER

A durable 2 oz. polyethylene plastic, squeeze type bottle that has a 1" long stainless steel hypodermic needle. The needle is 18 gauge measuring .049" o.d. and .033" i.d. Oiler is 5-1/2" overall and is excellent for all precision oiling of action parts or applying pin block restorer. Comes with a dust proof cap.

No. 184 - Hypo Oiler. Each



HYPOTERAPIST OILER

Similar to the No. 184 oiler except that the bottle is a 1-1/4 oz. oval shape and the needle is 23 gauge measuring .025" o.d. and .013" i.d. Comes with a dust proof cap and is 5" in overall length.

No. 189 - Hypo Oiler. Each



PLASTIC OILER

A 1 oz. polyethylene squeeze bottle with a 1 -1/4" blunt end needle applicator. The needle is .036 o.d. and .022 i.d. Oiler is 4" overall and comes with a cap.

No. 190 - Oiler. Each



PLASTIC OILER WITH FLEXIBLE SPOUT

These polyethylene squeeze bottles have a flexible spout enabling them to reach anywhere. A shut off valve is located in the cap thereby reducing lost tips. Simply pull spout to dispense liquid. Push spout to shut off. Available in 2 or 4 oz.

No. 191 - 2 oz. Plastic Oiler. Each

No. 191A - 4 oz. Plastic Oiler. Each



PLASTIC OILER

A 1/2 oz. polyethylene plastic squeeze applicator. Excellent for applying Protek lubricant on action parts.

No. 186 - Oiler. Each

TECHNICIAN'S TOOLS



ALCOHOL LAMP

This is the traditional all brass lamp that is used for hammer shank heating. The 6" long spout is removable so that the alcohol container can be sealed with the cap provided, thus allowing the lamp to be transported without leaking. Unit is 9-1/2" in overall length and comes with a cotton wick, which is replaceable.

No. 185 - Alcohol Lamp. Each

No. 185A - Extra Wicks. Each

ALCOHOL LAMP

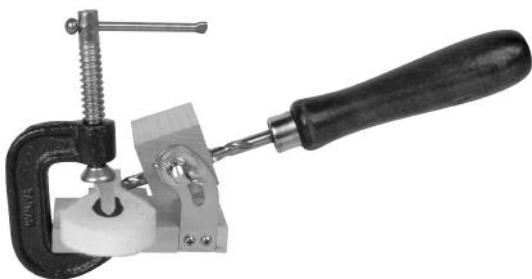
Leakproof with ratchet controlled wick and chained extinguisher cap. Capacity 5 oz. Diameter 3-1/2".

No. 181A - Metal Alcohol Lamp. Each

No. 181AW - Wicks. Each

No. 181B - Glass Alcohol Lamp. Each

No. 181BW - Wicks. Each



HAMMER HEAD AND BUTT BORER

An on-the-spot tool to be used for boring exact angles into piano hammers or hammer butts. The adjustable drill block is set at the proper angle by using an original hammer or butt sample. Complete instructions covering all of the variable boring requirements are provided. Unit consists of the drill block and base, "C" clamp and 7/32" drill with handle.

No. 170 - Hammer Head and Butt Borer. Each

HANDY BORE-OUT GUIDE

Unique design permits on-the-spot boring out of old hammer shanks. The guide, by tightening the knurled nut, is clamped in position to drill out the old shank. 2-1/4" long, nickel plated.

No. 167 - Handy Bore-Out Guide. Each



INSPECTION MIRROR

The 1" x 2" oval mirror can be adjusted to any angle to help with regulating or repairing difficult viewing areas within the piano. Mirror is 8-1/2" long and has a pocket spring clip.

No. 281B - Inspection Mirror. Each

JEWELER'S LOUPE

Light weight, easy to wear. This useful tool will make inspection and assembly of small parts easier and more accurate. At a working distance of 2.5" the magnification is 4x.

No. 3202 - Jeweler's Loupe. Each



ILLUMINATED MAGNIFIER

Acrylic lens magnifies 4 times to help with small, close-up work. Plastic case magnifier is only 5" long, and has a 1-1/4" square viewing area that is illuminated. Takes two AAA batteries that are included.

No. 62 - Illuminated Magnifier. Each



16" PRO BEND-A-LIGHT

High intensity spot light illuminates hard to see spots. Flexible 10" brass shaft. Includes 2 ea AA batteries and a protective case.

No. 3300 - 16" Pro Bend-A-Light. Each

No. 3301 - Replacement Bulb. Each



CLIP-ON MINI-LIGHT

Provides direct illumination in tight places with a powerful LED light. Features a double ball joint neck for limitless angling and an ABS plastic alligator clip for securing to most surfaces, allowing hands-free work.

No. 3320 - Clip-On Mini-Light. Each



TELESCOPING MINI-LIGHT WITH MAGNETIC PICK-UP

A great combination tool for retrieving lost items from confined areas. Equipped with a powerful LED light and a 2 lb. magnet. The stainless steel telescoping wand reaches out to 28-3/4" in length and has an ABS plastic handle.

No. 3321 - Telescoping Mini-Light with Magnetic Pick-Up. Each

TECHNICIAN'S TOOLS



Brilliant Light Rays Clearly Reflect Image On Hard-To-Reach Areas.



CONDUCT-A-LITE

A unique, lightweight, all aluminum lighting tool to help with inspection of any hard-to-see area in a piano, organ, etc. Kit includes a 6" straight and 4" curved (24°) conductor, a 15/16" diameter clip on mirror, as well as a two cell flash lite that uses two AA batteries (not included).

No. 57 - Conduct-A-Lite. Each

No. 57A - AA Batteries (2 needed for lite). Each



SOUNDBOARD REPAIR CLAMP

A small hole is drilled in both the replacement rib and soundboard, thereby allowing the piece of music wire to be extended and secured on top of the rib by the small locking nut. The plastic dowel, washer and wing nut are then secured against the soundboard. Order several of these clamps to reduce the time needed for repairing ribs.

No. 58 - Soundboard Repair Clamp. Each



BRIDGE CHISELS

The offset design allows for these chisels to be positioned flat to exert pressure at the glue joint.

No. 573 - Bridge Chisel, 6-3/4" long. Each

No. 574 - Bridge Chisel, 8-1/2" long. Each



HAMMER CHECKERING FILE

This is an 8" long file, imported from Switzerland, that is used for cutting horizontal grooves on grand hammer heels. File is 8" long, 3/4" wide.

No. 98 - Hammer Checkering File. Each



GRAND HAMMER HEAD RASP

Measuring 6" long, this round tapered rasp is used for cleaning glue out of hammer head holes before installing new shanks.

No. 138 - Grand Hammer Head Rasp. Each



GRAND HAMMER HEAD REAMER

Both of these tapered reamers are used for fitting grand hammer heads to hammers shanks. Reaming the hammer head is much easier than reducing the shank diameter. Reamer is 4" long.

No. 139 - Reamer with square end for No. 989 Tap Wrench. Each

No. 139A - Reamer with chuck end for No. 26 Combination Handle. Each



HAMMER SHANK KNURLER

Hammer shanks can be knurled quickly, evenly and efficiently with this compact, well made tool that can be secured to your workbench. Tool is adjustable for any shank diameter as well as the length of the knurl.

No. 217 - Hammer Shank Knurler. Each



BASS STRING TWISTING TOOL

After putting the tip of the tool into the loop of the bass string, twist the string, and then place the recessed tip on top of the hitch pin. By pressing downward, the spring action of the tool allows the tip to retract, and the loop will be forced into place on the hitch pin. Tool has a finished hardwood handle and is 6" in overall length.

No. 262 - Bass String Twisting Tool. Each

TECHNICIAN'S TOOLS



SCIORTINO HAND HELD COIL MAKER

The tuning pin is placed into the coil maker, and with the depth gauge screw adjust the pin to the proper height. After inserting the steel wire thru the becket hole and against the hardened set screw on the coil maker, turn the pin with your tuning pin crank to make perfect coils. Tool is 3-1/2" long.

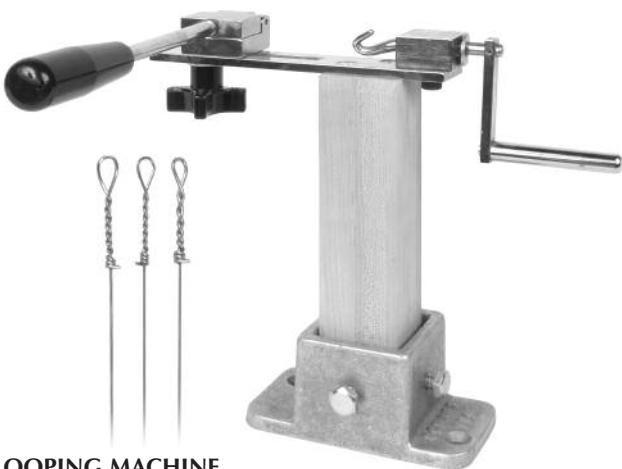
No. 273 - Sciortino Coil Maker. Each



LOOPING MACHINE

Measuring 5-1/2" long by 1" wide, this aluminum casted looper is designed to be clamped in a vise or to a workbench. Both traditional bass string type loops and German small coil loops can be made easily. Comes with detailed instructions.

No. 115 - Looping Machine. Each



LOOPING MACHINE

Schaff has improved it's looper to include hardened steel inserts for the wire hold down clamp, and a casted aluminum base for a permanent workbench installation. Various length loops can be made with precision for the plain wire strings in a piano. Comes with detailed instructions.

No. 114 - Looping Machine. Each



STEINWAY PTFE INSERTER

A handy tool designed specifically for inserting replacement PTFE bushings into Steinway action parts. Tool is 4-3/4" long, nickel plated.

No. 156 - PTFE Inserter. Each



KEY BUSHING TIGHTENER

When a situation exists where either front or balance rail key bushings have become enlarged causing rocking keys, this tool enables the key bushings to be closed slightly. With the tool's unique design, all that is required is a gentle tap at the end of the tightener. Tool is 4" long, nickel plated.

No. 148 - Key Bushing Tightener. Each



KEY TIGHTENER AND KEY EASER

This useful tool should be in every technician's kit. One end permits easing of the key pin hole without removing the key. The reverse wedge in the other end enables oversize key pin holes to be closed slightly to tighten the key.

No. 3105 - Key Tightener and Key Easer. Each



WEDGE KEY EASING TOOL

This 7" long, nickel plated tool is useful for easing the front key pin hole without removing the key from the piano.

No. 272 - Wedge Key Easing Tool. Each



E-Z OUT EXTRACTORS

Reverse thread extractors for removing agraffes, tuning pins, bolts, and screws. A hole is drilled in the broken part and the extractor is inserted. Turned to the left, the spiral flutes grip and remove the broken part without damaging the threads in the hole. Extractors designed to work with our #989 tap below.

No. 983 - #2 Extractor, for Broken Agraffes. Each

No. 3179 - #3 Extractor, for Broken Tuning Pins, Bolts and Screws. Each

No. 984 - 7/64" Drill, for #2 Extractor. Each

No. 3180 - 5/32" Drill, for #3 Extractor. Each

989



AGRAFFE REPAIR DRILLS, TAPS AND TAP WRENCH

The following items are used in the replacement of either 7/32" or 1/4" diameter agraffes:

No. 985 - 7/32" dia. x 36 threads per inch Tap. Each

No. 986 - #11 Drill (.191) for use with No. 985 Tap. Each

No. 987 - 1/4" dia. x 36 threads per inch Tap. Each

No. 988 - #2 Drill (.221) for use with No. 987 Tap. Each

No. 989 - Tap Wrench for sizes 12 to 5/16". Each

TECHNICIAN'S TOOLS



CENTER PIN CASE

A must item for every technician. This new design wooden case has 12 compartments for all center pin sizes 18-25. Case has all brass sliding number plates and measures 8" l x 5/8" w x 1" h.

No. 165 - Center Pin Case Only. Each

No. 165A - Center Pin Case Filled with Pins. Each



KEY DIP BLOCKS

These blocks provide a quick and accurate way to determine if the dip of the key is standard. Place the block on the key as shown and press down; if the top is level with adjacent keys, the dip is correct. All blocks are 1-7/8" long and are made of wood covered with ivorine plastic.

No. 199 - 3/8" Key Dip Block. Each

No. 199A - 13/32" Key Dip Block. Each

No. 199B - 7/16" Key Dip Block. Each

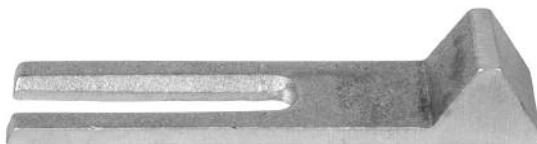
No. 199C - 1/2" Key Dip Block. Each



KEY LEVELING DEVICE

This tool is a proven best seller that makes white key leveling easier, faster and more accurate. Also, if used in the presence of your customer, this device will quickly show the need for a key leveling job. Once the float pin is set, the variation in the height of each key is readily evident. Made of casted aluminum measuring 3-1/2" h x 3" w. Comes with complete instructions.

No. 255 - Key Leveling Device. Each



SHARP LEVELING DEVICE

This attachment, made of aluminum measuring 4" l x 3/4" w, is used with the No. 255 Key Leveling Device to accurately level all of the black sharp keys of the piano.

No. 265 - Sharp Leveling Device. Each

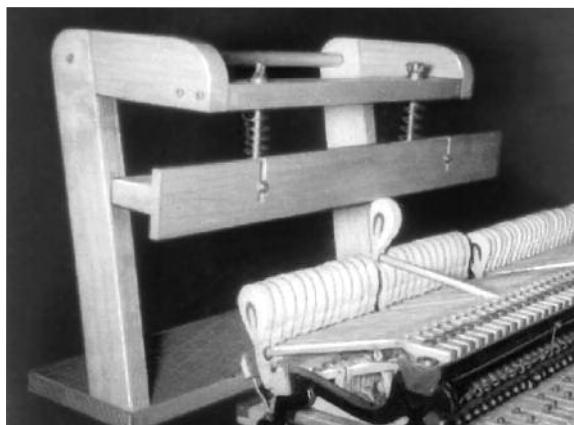


GRAND KEY LEVELING LEADS

Set of 52 brass spring clip leads weighing 3 oz. each, comes with a reinforced fiberboard case with straps that measures 6-1/2" square. These leads, which fit over the backchecks, replace the weight of the grand action when the keyboard is removed for key leveling.

No. 973 - 52 Key Leads with Case. Per Set

No. 973A - Extra Key Leads, Per Dozen

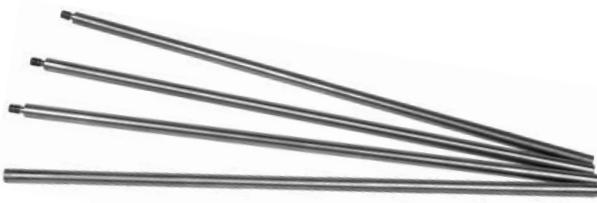


GRAND LET-OFF RACK

This all wooden, maple let-off rack measuring 13" high and having a 15" width, is a bench tool designed to simulate the piano string line of the grand piano. Regulation of the let-off and use as an aid in installing grand hammers can both be performed with this device. Shipped knocked down.

No. 999 - Grand Let-Off Rack. Each

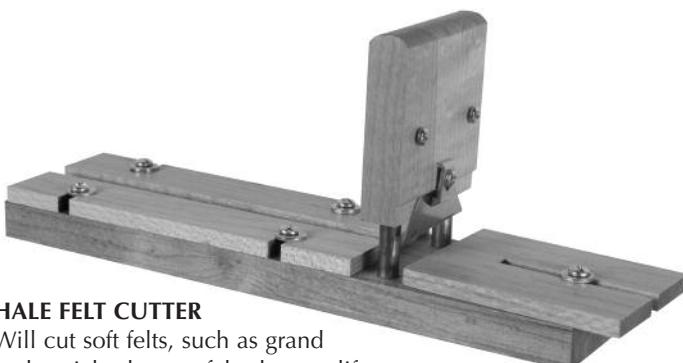
TECHNICIAN'S TOOLS



SECTIONAL STEEL RODS

Set includes 4 rods, each 13" long, that are screwed together and are used for holding upright drop action stickers out of the way when removing the action from the piano. Most action brackets have hooks cast into them to hold this rod. Nickel plated.

No. 3339 - Sectional Steel Rods. Per Set



HALE FELT CUTTER

Will cut soft felts, such as grand and upright damper felt, damper lifter felt, also buckskin and tracker bar tubing.

No. 279 - Hale Felt Cutter. Each



ROTARY FABRIC & FELT CUTTER

Cuts felt, fabrics, and leather into strips easily and accurately.

No. 6000A - Rotary Felt Cutter, Cutting Mat and Extra Blade. Set

No. 6000B - Cutting Mat 12" x 18". Each

No. 6000C - Replacement Blade for No. 6000A Cutter. Each

No. 6000D - 45mm Rotary Cutter. Each



3-IN-1 STRING HEIGHT GAUGE

For measuring string height from grand key bed, regulating grand dampers and also used to determine if grand hammers are "over centering" when striking the strings. Unit is steel constructed with a base 3" x 1-1/2", and a closed overall height of 6-5/8".

No. 933 - 3-In-1 String Height Gauge. Each



FELT CUTTING KNIFE

A handy, pointed blade knife that is good for cutting all types of piano felts and leather. Knife blade is 3-3/4" long, overall length is 8" long.

No. 213 - Felt Cutting Knife. Each



SQUARE END KNIFE

Used for all types of piano felts and leather products. Knife blade measures 6" l x 1" w and overall length is 10-1/4" long.

No. 216 - Square End Knife. Each



PRECISION KNIFE SET

Consists of 3 different weight aluminum handles that are all 5" long, and an assortment of 10 knife blades. This set will solve any piano felt or leather trimming problem.

Comes in a wooden chest.

No. 280 - Precision Knife Set. Each



HOLD DOWN RINGS

For use during grand regulation to hold key frame in position instead of replacing key block screws. Also used on the bench to hold action or key frame in position.

No. 3209 - Hold Down Rings. Each

TECHNICIAN'S TOOLS

5-IN-1 ELECTRIC IRON KIT

This multi-purpose electric iron kit consists of a basic 80 watt Weller soldering iron, 4 burn-in knives, an action part heating attachment, a key bushing tip and a hammer iron, together with an iron rest. The burn-in knives are made of aluminum and are all 3-1/2" in overall length. The four different blade shapes allow for any type of bur-in project. The "V" shaped, aluminum heating attachment has a 1/2" wide gap that can be placed around any piano action part that requires heat for bending or loosening glue joints. The key bushing tip is 1/8" thick and 3/8" wide, and is used to heat and remove key bushing cloth. The last attachment, the brass hammer iron, is used for ironing felt hammer heads. Rather than buying each of the above tools separately, this 5-In-1 Kit is an economical and functional package for all piano technicians.

No. 99 - 5-In-1 Electric Iron Kit. Each



HEAT CONTROL UNIT

Will control the watts generated from any 120 volt tool up to 400 total watts. We recommend using this controller with our No. 99 5-In-1 Tool Kit.

No. 906 - Heat Control Unit. Each



SHOE PEGS

Small pointed pegs, 5/8" long. Used for filling screw and nail holes. Package contains approximately 1000 pieces.

No. 6050 - Shoe Pegs. Per Pkg.



TRAVEL TAPE

1/8" wide rolls of thin adhesive backed paper tape used under grand shank flanges to adjust hammer direction.

No. 6025 - Travel Tape. Per Roll



ARCH PUNCHES

For punching leather, felt and cloth. Excellent for player and organ gaskets. Constructed of cast iron. Any size not listed below can be special ordered. Each

STOCK#	DIAMETER
No. 3221	3/16"
No. 3222	1/4"
No. 3223	5/16"
No. 3224	3/8"
No. 3225	7/16"
No. 3226	1/2"
No. 3227	9/16"
No. 3228	5/8"
No. 3229	11/16"
No. 3230	3/4"
No. 3232	7/8"
No. 3234	1"
No. 3238	1-1/4"



CENTER-O-PUNCH

Set consists of a steel handle plunger assembly and 9 cutting dies ranging from 1/4" to 1" in diameter. With this punch set, accurate washers can be cut from rubber, leather, felt, canvas and some soft metals. Metal storage case included.

No. FC-300 - Center-O-Punch Set. Each

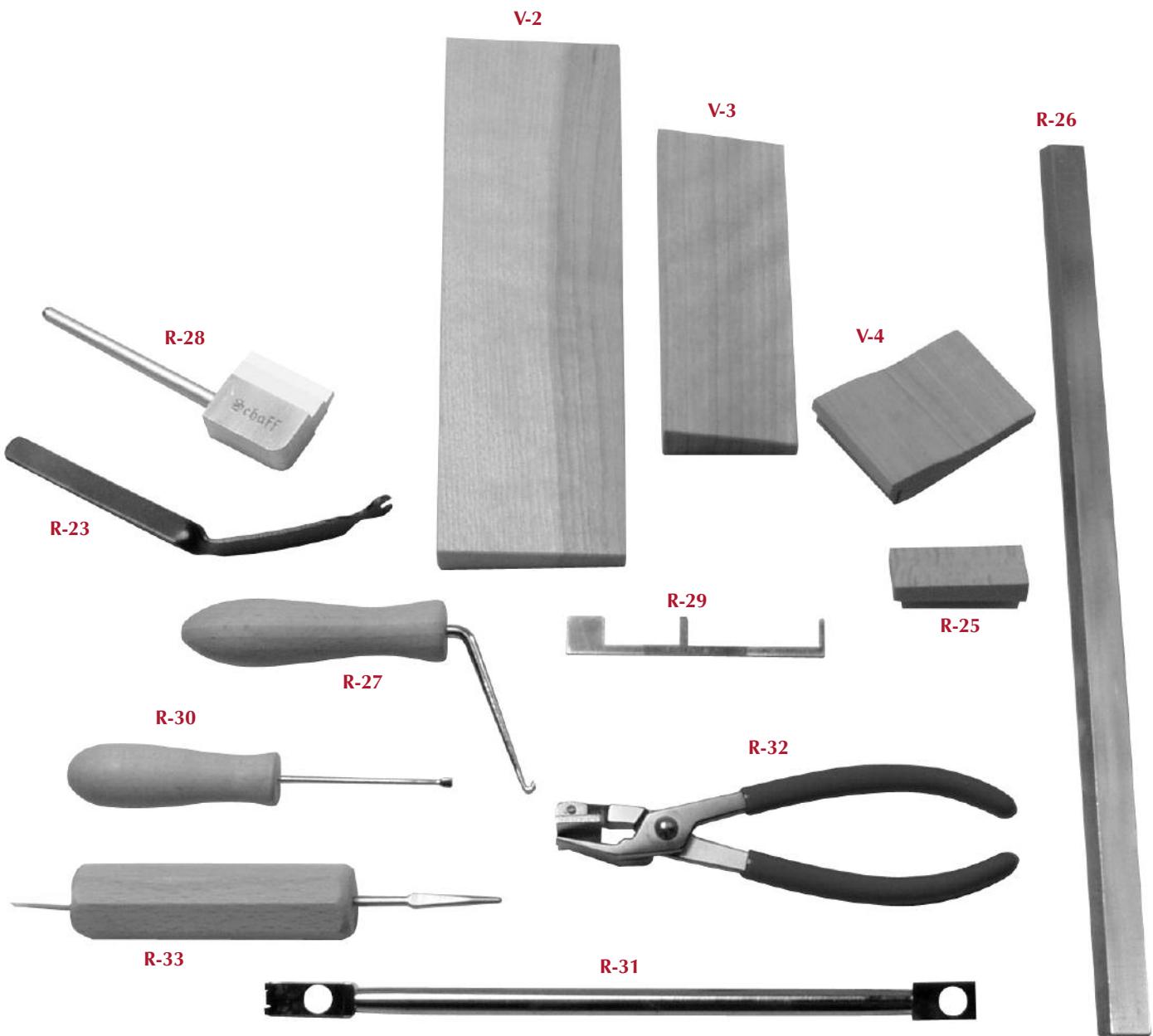
IMPORTED JAPANESE TOOLS



STOCK NO.	TOOL DESCRIPTION	
R-1	Spacer, Upright	Each
R-4	Regulating Screwdriver, Upright	Each
R-8	Offset Key Spacer, Grand and Upright	Each
R-9	Spoon Bender, Upright	Each
R-10	Capstan Screw Wrench, Grand and Upright	Each
R-11	Offset Damper Regulator, Upright	Each
R-12	Straight Damper Regulator, Upright	Each
R-13	Rosewood Combination Handle, Small	Each
RL-13	Rosewood Combination Handle, Large	Each
R-15	Jack Screw Regulator w/Handle, Grand	Each
R-16	Double Screwdriver	Each

STOCK NO.	TOOL DESCRIPTION	
R-19	Back Check Regulator, Grand and Upright	Each
R-21	Wire Bending Pliers, Grand and Upright	Each
R-22	Key Frame Screw Regulator, Grand	Each
RH-10	Capstan Screw Wrench w/Handle, Grand and Upright	Each
T-1	Tuning Lever with No. 2 Tip	Each
T-4	Wooden Mute, Spinet	Each
T-9	No. 2 Tip	Each
T-9A	No. 1 Tip (not shown)	Each
T-9C	No. 3 Tip (not shown)	Each
V-1	Voicing Tool with Wooden Handle	Each
V-UP	Voicing Tool with Bend, Upright	Each

IMPORTED JAPANESE TOOLS



STOCK NO.	TOOL DESCRIPTION
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- R-23** - Capstan Wrench, 6-1/2" long. Each
- R-25** - Key Dip Block, 10mm Bakelite. Each
- R-26** - Key Leveling Gauge, Aluminum, 15" long, 3/4" wide. Each
- R-27** - String Hook with Wooden Handle. Each
- R-28** - Jack Alignment Tool, Aluminum, for Grand Whippens. Each
- R-29** - Strike Distance Gauge, Solid Brass, Grand. Each
- R-30** - Drop Screw Regulator with Wooden Handle, Grand. Each

STOCK NO.	TOOL DESCRIPTION
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- V-2** - Voicing Block, Wooden, 9-3/4" long, 3" wide. Each
- V-3** - Voicing Block, Wooden, 5-5/8" long, 2-1/4" wide. Each
- V-4** - Voicing Block, Wooden, 2" long, 3" wide. Each
- R-31** - Shank Flange Spacing Tool, Metal, Grand. Each
- R-32** - Key Easing Pliers, Grand and Upright. Each
- R-33** - CF Key Spacer and Easer, Wooden Handle, Grand and Upright. Each
- R-26** - Key Leveling Gauge, Aluminum, 15" long, 3/4" wide. Each

KEY REPAIRING TOOLS



KEY SPRING CLAMPS

These 6" long, spring loaded, nickel plated clamps with rubber handles are sold in pairs with a 1" x 6" wooden block. Any type of key material can be used with these clamps. For ivory head and tail replacement use in conjunction with our No. 249B Head Plate and No. 249C Tail Plate.

No. 247 - Key Spring Clamps. Per Pair



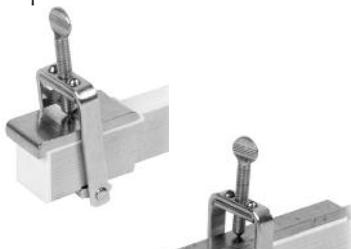
KEY FRONT SPRING CLAMP

6" long, nickel plated clamp has one arm folded so that it can be inserted in the front bushing hole. Each clamp has a 1" square brass piece included for clamping key fronts.

No. 248 - Key Front Spring Clamp. Each

HEAD AND TAIL PIECES WITH SCREW CLAMP

Both the head piece, No. 249B, and the tail piece, No. 249C, are made of solid brass. No. 250 Screw Clamp is 3" long and is nickel plated.



No. 249 - Screw Clamp with Head Plate. Each

No. 249A - Screw Clamp with Tail Plate. Each

No. 249B - Head Plate Only. Each

No. 249C - Tail Plate Only. Each

No. 250 - Screw Clamp Only. Each



SPRING CLAMP

This inexpensive spring clamp affords a means of clamping many keys at one time without having to remove them from the piano. For best results use with our No. 249B Head Plate. Clamp is 2-3/4" l x 3/4" w, nickel plated.

No. 251 - Spring Clamp. Each



TRIANGULAR SCRAPER

A general purpose scraper that has a triple edged blade with hollow ground cutting edges that are hardened and tempered for long lasting wear. Can be used for trimming and deburring metals, tubing and plastics such as keytops. Overall length 6-1/2"

No. 64 - Triangular Scraper. Each



FILE AND TOOL HANDLE

4-1/4" long adjustable handle holds files, reamers, hacksaw blades and other tang handled tools. Large, knurled adjusting knob ensures positive locking.

No. 4042 - File and Tool Handle. Each



KEY COVERING FILES

The files shown have four different cuts to accommodate every piano key recovery requirement. These two flat files, which are used for rapid removal of material, are double cut on both sides with a single cut on the edges.

No. 252 - Flat Bastard, Course Cut, 10" long. Each

No. 253 - Flat Smooth, Fine Cut, 10" long. Each

These two mill files, which are used for final finishing, are single cut on both sides and the edges.

No. 256 - Mill Bastard, Medium Cut, 10" long. Each

No. 257 - Mill Smooth, Fine Cut, 10" long. Each



KNIFE FILE

This file is 7-7/8" long and has tapered, second cut sides for fine key work.

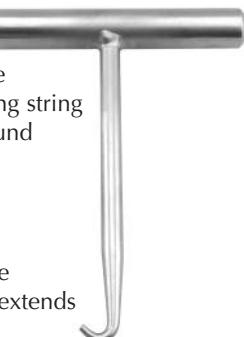
No. 254 - Knife File. Each

RESTRINGING TOOLS AND ACCESSORIES

STRINGING HOOK

New style non-breakable plastic handle is 3-1/2" long and is fitted with a 4" long string hook for lifting coils tight and neat around tuning pins.

No. 135S - Stringing Hook. Each



OFFSET STRINGING HOOK

Same as our No. 135S above except the stringing hook has an offset angle as it extends from the handle. (not shown)

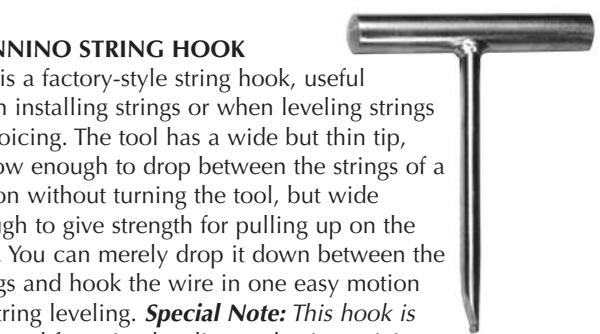
No. 135C - Offset Stringing Hook. Each



STRINGING HOOK WITH WOOD HANDLE

A convenient style stringing hook with wood handle.

No. 3150 - Stringing Hook with Wood Handle. Each



MANNINO STRING HOOK

This is a factory-style string hook, useful when installing strings or when leveling strings for voicing. The tool has a wide but thin tip, narrow enough to drop between the strings of a unison without turning the tool, but wide enough to give strength for pulling up on the wire. You can merely drop it down between the strings and hook the wire in one easy motion for string leveling. **Special Note:** This hook is designed for string leveling and string voicing work. It is not intended to serve as a coil lifting hook during restringing, as the tip could wear and break prematurely.

No. 89 - Mannino String Hook. Each



STRING STRETCHER

A necessary tool for any restringing job. Rolling the 1-7/8" diameter brass wheel over newly installed piano core wire will stretch the wire and help tighten the coils. Overall length is 11".

No. 132 - String Stretcher. Each



TUNING PIN CRANK

Traditional hardwood handle style has a square tip opening that fits onto tuning pins for easily winding coils. The nickel plated steel crank measures 3" in width from the shaft centers.

No. 109 - Tuning Pin Crank. Each



TUNING PIN SETTER

Used for driving tuning pins when they must be set further into the pin block. Spring loaded plunger sets firmly on the tuning pin and prevents any hammer damage. The 6" long, chrome plated handle allows pin to be held in position to prevent string from slipping.

No. 108 - Tuning Pin Setter. Each



RATCHET HEAD

Tough alloy steel. Will stand up under rugged factory use.

For use with power tools to drive tuning pins. 3/8" square socket one end, star recess on other end. 2-3/4" long, nickel plated.

No. 23 - Ratchet Head, Star Recess. Each



POWER TUNING PIN SOCKET

Triangular shank one end, star tip on other. For use with power tools to remove tuning pins. 3-1/2" long, nickel plated

No. 63 - Power Tuning Pin Socket, Star Recess. Each



TUNING PIN SOCKET FOR BRACE

One end has a star tip, the other end is a tapered square to fit a hand brace. Socket is designed for tuning pin removal. 3" long, chrome plated.

No. 25 - Tuning Pin Socket for Brace. Each



TUNING PIN EXTRACTOR

Used for removing broken tuning pins. The tapered and reverse threads cut into broken tuning pins for easy extraction. Tool, measuring 1-3/4" long, can be used with a hand brace, "T" style lever or any standard tuning lever.

No. 110 - Tuning Pin Extractor. Each



ROBINSON STRATE-MATE

An extremely fast and efficient tool for voicing the music wire itself. STRATE-MATE stretches piano strings by lifting them slightly off the bridge, thus equalizing all the segments along the length from the tuning pin to the hitch pin. Furnished with instructions.

No. 6015 - Strate-Mate. Each

RESTRINGING TOOLS AND ACCESSORIES



STRING LIFTER AND SPACER

This tool has a new design in that the string lifter end has a 1-1/2" drop. Tool is 8" in overall length, chrome plated and has grooves for string spacing on one end.

No. 146 - String Lifter and Spacer. Each



HEAVY DUTY STRING LIFTER

Hexagonal Stock, 8" overall.

No. 3164 - Heavy Duty String Lifter. Each



STRING LIFTER AND SPACER

For years, this tool has been our standard string lifter and spacer. Lifter end has a 1/2" drop. Tool is 7-1/4" long and chrome plated.

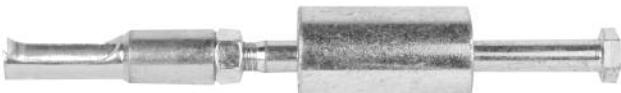
No. 134 - String Lifter and Spacer. Each



STRING SPACER

Both ends of spacer are grooved to properly space the wires of 2 and 3 string unisons. Overall length 9", chrome plated.

No. 133 - String Spacer. Each



IMPACT COIL TIGHTENER

An excellent tool for tightening coils. Place the tool around the pin under the coil, then slide the weight up. Or place the tool around the pin on top of the coil and slide the weight down.

No. 3101 - Impact Coil Tightener. Each

No. 3101A - Replacement Tip. (not shown) Each



TUNING PIN BUSHING PUNCH

New, improved punch to drive wood tuning pin bushings into plate. End is pointed so that center of tuning pin hole can be marked for drilling. Hexagon shank is 3/8" diameter, punch is 4-5/8" long and has a black oxide finish.

No. 174C - Tuning Pin Bushing Punch. Each



STRING HOOK AND STRING LIFTER

No. 3102 - String Hook and String Lifter. Each



TUNING PIN PUNCHES

All three punches are made from hardened, hexagon steel and are used for driving tuning pins into the pin block. Black oxide finish.

No. 174 - Punch, 3" long, 1/2" diameter. Each

No. 174A - Punch, 5" long, 1/2" diameter. Each

No. 174B - Punch, 4-3/8" long, 5/8" diameter. Each



STRING LIFTER

Ergonomically mounted to a wood handle for added comfort. Made of hardened steel and nickel plated.

No. 3151 - String Lifter. Each



TUNING PIN PUNCH

Measuring 6" long with a 1/4" diameter punch, this tool is used for driving broken tuning pins out of the pin block.

No. 173 - Tuning Pin Punch. Each

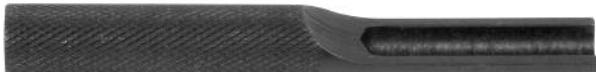
RESTRINGING TOOLS AND ACCESSORIES



COIL SETTER

Used for setting coil wire in even rows on the tuning pin, thus eliminating any wire overlaps. The inside diameter of hole is 5/16", tool's length is 5" with a black oxide finish.

No. 175 - Coil Setter. Each



COIL TIGHTENER

Round, hardened steel, with half cutout.

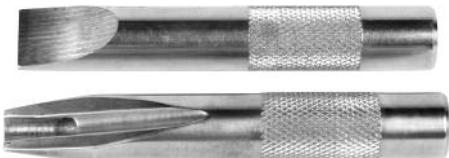
No. 3155 - Coil Tightener. Each



COIL SETTER-TIGHTENER

With the design of this tool, great leverage can be applied to squeeze wire snug around tuning pins. Tool is 5-1/2" long, 3/4" diameter and has a black oxide finish.

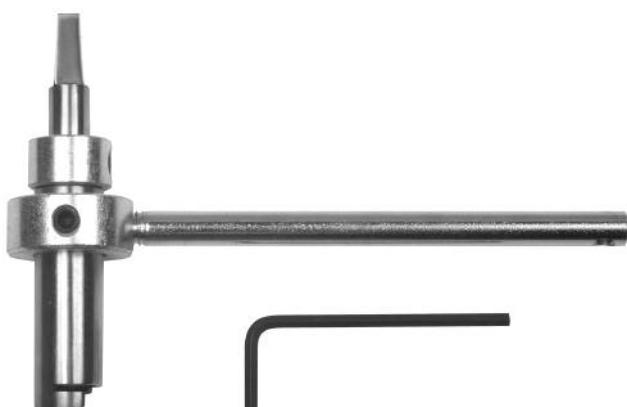
No. 171 - Coil Setter-Tightener. Each



LOOP AND STRING SETTER

Used to level strings on the bridge, and to seat loops around hitch pins. Solid brass, sold in pairs only.

No. 3161 - Loop and String Setter. Per Pair



SCIORTINO INSTA-COILER

An amazing new stringing tool that will make a factory perfect coil in seconds every time. Whether you are an experienced stringer or not, this tool is extremely easy to use and will eliminate the wear and tear on your fingers. The Insta-Coiler is 5-1/2" long, about 3-1/2" high and comes with complete instructions.

No. 122 - Sciortino Insta-Coiler. Each



TUNING PIN DRILLS

Fast spiral 118° standard jobber drills. 4-1/4" long.

No. 94A - Drill, .257 (F). Each

No. 94B - Drill, .261 (G). Each

No. 94C - Drill, .266 (H). Each

No. 94D - Drill, .272 (I). Each



TUNING PIN DRILLS - EXTRA LENGTH

These drills have the same specifications as our 94 Series tuning pin drills above except that they are approx. 6-1/4" long which make them ideal for drilling tuning pin holes after the pin block is installed in the piano. Extra length enables one to drill through the plate and into the pin block.

Stock#	For Pin size	Size	Diameter
3290F	1/0	E	.250"
3290H	1/0	F	.257"
3290I	1/0, 2/0	G	.261"
3290E	1/0, 2/0	H	.266"
3290A	2/0	I	.272"
3290B	3/0	J	.277"
3290C	4/0	K	.281"



TUNING PIN DRILLS

These drills have the preferred style brad point that will not run or travel like the swedge tip type. Drills are 4-1/8" long and, except for No. 136F are .009 under the diameter of the corresponding tuning pin size.

Stock#	For Pin size	Size	Diameter
136F	1/0	E	.250"
136H	1/0	F	.257"
136I	1/0, 2/0	G	.261"
136E	1/0, 2/0	H	.266"
136A	2/0	I	.272"
136B	3/0	J	.277"
136C	4/0	K	.281"
136D	5/0	7.25mm	.286"



TUNING PIN REAMERS OR SPOON BITS

When installing new or oversized tuning pins, it is recommended that the holes be reamed. All of these reamers are .009 under the diameter of the corresponding tuning pin size and are 5-1/8" long.

Stock#	For Pin size	Size	Diameter
137A	1/0	H	.266"
137B	2/0	I	.272"
137C	3/0	J	.277"
137D	4/0	K	.281"
137E	5/0	7.25mm	.286"

RESTRINGING TOOLS AND ACCESSORIES



BEARING CHECK GAUGE

A handy item for the restringing technician that gives a fast, accurate and visual demonstration of bridge bearing to your customer. Simply place the middle prong of the gauge on the string between the bridge pins. Align the end prongs over the same string and observe the amount of "rock" that occurs. If the gauge cannot be "rocked" on either side of the bridge, then a negative bearing situation is in effect and should be corrected. Gauge is solid brass and measures 1-1/2" wide x 3-3/4" long.

No. 106 - Bearing Check Gauge. Each

DOWNBEARING GAUGE

An accurate way to measure variations of down bearing along the bridges. Precise adjustment of the plate can be made to insure maximum response. Negative or positive bearing is indicated. Guesswork is eliminated. A precision tool.

No. 3138 - Downbearing Gauge. Each



PIN BLOCK SUPPORT JACK

This support jack set is used for supporting the pin block in grand pianos while driving in new tuning pins. Included in the set are two (6" long x 3" wide x 1" high) maple blocks and a durable steel jack screw with two steel cylinders for use in height adjustment.

No. 800 - Pin Block Support Jack. Each



PIN BLOCK SUPPORT

This unit is larger than our No. 800 Support Jack, but accomplishes the same job of supporting grand piano pin blocks during repinning. The top and bottom boards are laminated maple measuring 11" L x 4-1/2" W x 1-3/4" H. Height is easily adjusted by turning the hex nuts.

No. 799 - Pin Block Support. Each

FALSE BELT SUPPRESSOR



FALSE BEAT SUPPRESSOR

Developed by Jerry O'Connell, who formerly was on the technical staff of Wurlitzer Piano Company, this tool should become a standard tool box item for every piano tuner.

It is generally agreed among technicians that there are numerous reasons for false beats, however, the Important Fact is that after two years of field testing this tool on hundreds of pianos, Mr. O'Connell has eliminated or minimized 75% to 80% of the false beats he encountered while pitch raising.

Most false beats are found in the piano's treble section and are noticeable when doing pitch raisings of 50 cents or more. Jerry's innovation is merely a string-stretching tool 12 inches in length that has a tip with a semi-circular groove wide enough to accept up to .060" diameter piano wire. After pitch raising, a "kink" or bend in the wire that was created by being in contact with the top bridge pin is pulled upward and becomes a small part of the speaking length. By applying pressure against the string, the "kink" or bend is removed eliminating the false beat.

The suppressor's narrow width allows it to be inserted between the hammers and pass around the damper wires. In the "up" position, the grooved tip can slide up and down the string to find the most effective spot to apply pressure.

No. 101 - False Beat Suppressor. Each

PLIERS



REGULATING PLIERS

A unique plier to quickly and securely grasp regulating buttons or wood dowel capstans. Nickel plated plier is 8" long with plastic grip handles.

No. 290 - Regulating Pliers. Each



DAMPER FELT PLIERS

A specialized plier used for creasing or straightening damper felt in strips or in the piano. Plier is 2" wide at top, 6" long and nickel plated.

No. 261 - Damper Felt Pliers. Each



REVOLVING PUNCH PLIERS

Round holes can be punched in leather, cardboard, plastic, rubber, etc. All steel pliers have six tapered, non-clogging hardened steel punches in the following sizes: 5/64", 3/32", 7/64", 1/8", 5/32" and 3/16" inches. Overall length 9".

No. 172 - Revolving Punch Pliers. Each



GRAND KNUCKLE EXTRACTING PLIERS

An ingenious idea for removing knuckles from grand hammer shanks. As insert picture shows, simply grab the knuckle and gently squeeze the 8" long pliers. The leverage provided by this heavy duty cutting nipper makes for easy knuckle removal. Weight 18 oz.

No. 233 - Grand Knuckle Extracting Pliers. Each



GRAND HAMMER HEAD EXTRACTING PLIERS

The best tool available for removing grand hammer heads from their shanks. Pliers are made from casted magnesian bronze that is chrome plated. Adjustable screw has a finders point to prevent slippage during hammer head extraction. 8" overall length.

No. 120 - Grand Hammer Extracting Pliers. Each



PARALLEL PLIERS

Pliers are made of polished steel and are 7-1/2" overall length. Such regulating procedures as adjusting backchecks, dampers and grand shank flanges, as well as positioning upright jack flanges after gluing, are performed with these pliers.

No. 282 - Parallel Pliers. Each



GRAND HAMMER SHANK EXTRACTING PLIERS

These high precision, high quality pliers are ideal for removing grand hammer heads from shanks.

No. 3295 - Grand Hammer Shank Extractor. Each



SHANK KNUURLING PLIERS

A standard all-purpose pair of pliers for knurling or compressing hammer shanks. Can also be used for squeezing the shoulder on very hard piano hammers. 6-1/2" long, polished steel.

No. 291 - Shank Knurling Pliers. Each

PLIERS



HAMMER SHANK BENDING PLIERS

Measuring 8-1/2" long, these pliers have a concave and convex jaw that, when heated with an alcohol lamp, help to easily bend hammer shanks. Pliers have rubber handles and a jaw length of 1-1/2".

No. 268 - Hammer Shank Bending Pliers. Each

ELECTRIC HAMMER SHANK BENDING PLIERS

This is the same plier as No. 268 above, except it is electrified. Unit has 8 ft. cord and is 110 volts. (not shown)

No. 121 - Electric Shank Bending Pliers. Each



DIAGONAL MUSIC WIRE NIPPERS

An all purpose wire cutting plier that has hardened steel jaws. Made of polished steel. 6" long.

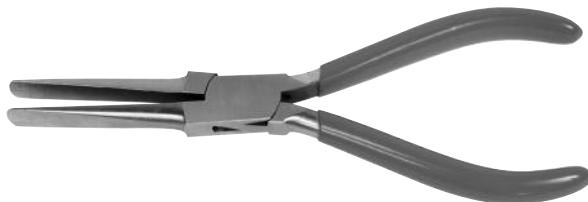
No. 238 - Diagonal Music Wire Nippers. Each



NEEDLE NOSE PLIERS

An excellent tool to assist in the removal of excess copper when fitting universal bass strings. The long, tapered jaws are milled on the inside for easy gripping action. The back part of the jaws have side cutters. 6-1/2" overall length, polished steel finish.

No. 239 - Long Nose Side Cutting Pliers. Each



DUCK BILL PLIERS

Especially useful where slender-nosed pliers with flat jaws are required. Jaws are 3/8" wide. Polished steel pliers are 7" long, and have rubber grip handles.

No. 242 - Swan Bill Pliers. Each



ROUND NOSE PLIERS

A good plier for making loops or forming wire for splicing piano strings. Pliers are 6-1/2" long, have round, tapered and inside milled nose, and are made of polished steel with rubber grip handles.

No. 241 - Round Nose Pliers. Each



CENTER PIN PLIERS

A superb, high quality, lifetime tool. Pliers are constructed to have perfect parallel action to remove, and be able to replace center pins, without tearing the felt bushing. Comes with an inserter pin as well as an adjustable extracting pin assembly. Pliers are 7" long and beautifully chrome plated.

No. 5500 - Center Pin Pliers. Each

No. 5500N - Replacement Needle. Each



RONAN CUTTING PLIERS

Great for cutting leather, rubber hose and felt. Replaceable 4" blade.

No. 95 - Ronan Cutting Pliers. Each

No. 95A - Replacement Blade. Each (not shown)

PLIERS



REPINNING TOOL

Made from a lightweight aluminum casting, this tool is used to remove and replace center pins quickly. Replaceable pin punch on one end removes center pins, solid press on other end is for inserting new pins. Tool is 4" wide, 4-1/2" high and only 8 oz.

No. 5501 - Repinning Tool. Each

No. 5501N-A - Steel Replacement Needle. Each

No. 5501N-B - Brass Replacement Needle.

Fits current model. Each



CURVED NEEDLE PLIERS

A good plier for hard to reach areas. The tapered and inside milled nose extends 1" out from the rubber grip handles. Plier is 6" long, polished steel finish.

No. 236 - Curved Needle Pliers. Each



RIB-JOINT PLIERS

Pliers have multiple opening slip-joints with forged steel ribs for strength. Useful where thin pliers with a wide opening are needed. 10" long, chrome plated, rubber grip handles.

No. 240 - Rib-Joint Pliers. Each



VISE GRIP WRENCHES

Both tools have curved jaws with a thin nose that can be locked to the work if necessary. Also, both pliers have an opening screw adjustment and a quick release locking lever. Nickel plated.

No. 232A - Wrench, 7" long, 2" opening. Each

No. 232B - Wrench, 9" long, 2-1/4" opening. Each



KEY EASING PLIERS

These traditional key easing pliers have recently been designed with new improvements. The aluminum swivel head is wider, and has a greater rotation to better fit on the side of angled keys. The easing jaw of the plier is thinner and machined to be parallel with the swivel head when the pliers are opened. Handles are now cushion gripped for better feel. Pliers are 7" long and made of stainless steel.

No. 243 - Key Easing Pliers. Each



KEY EASING PLIERS

The special feature of this tool allows the technician to quickly work either side of the key without removing the key from the piano.

No. 3120 - Key Easing Pliers. Each



KEY EASING PLIERS

Parallel jaw action special design permits use without removing key from the piano.

No. 3121 - Key Easing Pliers. Each



LONG NOSE VISE GRIPS

2-1/2" long, tapered jaws that can be adjusted for thickness, make these pliers extremely versatile. Pliers are 9" long, nickel plated and can be locked into position.

No. 271 - Long Nose Vise Grips. Each

PLIERS



ACTION REGULATING PLIERS

Japanese-style compound leverage pliers have concave-convex jaws for bending backcheck, damper or bridle wires. Pliers are 7-1/2" long, nickel plated.

No. R-21 - Action Regulating Pliers. Each



ORIGINAL FACTORY TYPE WIRE BENDING PLIERS

Considerable time was spent by Schaff to research and test a new method of casting for these pre-World War I designed wire bending pliers. Made of stainless steel these pliers, originally made for piano factory use, have great leverage because of their 9" length and jaw design. A lifetime tool.

No. 244 - Wire Bending Pliers. Each



BACKCHECK WIRE BENDING PLIERS

Parallel sliding action permits positive and accurate forward and backward bending of either backcheck or bridle wires. Plier is nickel plated and 6" long.

No. 5502 - Wire Bending Pliers. Each



CENTER PIN NIPPERS

These end cutting nippers are ideal for cutting center pins. NOT RECOMMENDED FOR PIANO WIRE. Pliers are 4-1/2" long and have spring loaded rubber grip handles.

No. 231 - Center Pin Nippers. Each



CENTER PIN NIPPERS

The diagonal, flush cut jaws of this plier are well suited for cutting center pins during repinning. NOT RECOMMENDED FOR PIANO WIRE. Pliers are 5" long and have spring loaded cushion grip handles.

No. 230 - Center Pin Nippers. Each



MAXI-SHEAR™ FLUSH CUTTER

Made of highest grade .125" thick high carbon steel. 6" wire cutter with rubber grips and glare eliminating black finish. Excellent for use on center pins and soft wire.

No. 215 - Flush Cutter. Each



HAMMER SHANK CUTTERS

Razor sharp blade allows for fast, easy and efficient cutting to length of upright hammer shanks. 5" long, chrome plated tool has spring loaded handles for easy cutting action.

No. 237 - Hammer Shank Cutters. Each

No. 237B - Replacement Blade. Each



HAMMER SHANK CUTTERS

6" long shears that will cut hammer shanks quickly and efficiently. Also for splitting hammer moldings when removing old hammers from shanks.

No. 3207 - Hammer Shank Cutters. Each

PLIERS



HAMMER SHANK CUTTERS

Compact, lightweight, positive 5" long.
No. 3208 - Hammer Shank Cutters. Each



STARRETT WIRE CUTTERS

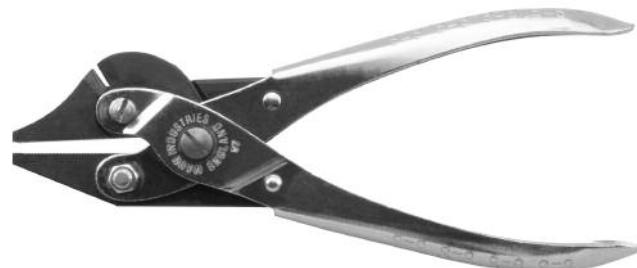
For many years we have been using these cutters in our piano string factory. Without a doubt, these are the best wire cutters made for heavy duty usage. Jaws are carbide tipped for extra durability. All of the working parts of the plier can be replaced, thus making this a lifetime tool.

- No. 225XA** - Starrett Wire Cutters, 5-1/2" long. Each
- No. 225XB** - Starrett Wire Cutters, 7" long. Each
- No. 226XA** - Jaws for 5-1/2" Cutters. Per Pair
- No. 226XB** - Jaws for 7" Cutters. Per Pair
- No. 226-1/2A** - Splines for 5-1/2" Cutters. Each
- No. 226-1/2B** - Splines for 7" Cutters. Each
- No. 227A** - Jaw Screws for 5-1/2" Cutters. Each
- No. 227B** - Jaw Screws for 7" Cutters. Each
- No. 227-1/2A** - Handle Springs for 5-1/2" Cutters. Each
- No. 227-1/2B** - Handle Springs for 7" Cutters. Each



MUSIC WIRE CUTTER

These imported pliers are made from forged steel, have reinforced rivet construction, tempered cutting jaws and incorporate compound leverage action.
No. 229 - Music Wire Cutter, 7" long. Each



PARALLEL AND SIDE CUTTING PLIERS

This is a handy, versatile pair of pliers that has many piano repair uses. Non-slip vise jaws, which are parallel, open up to 1/2" wide. Wire cutters are on the side. Pliers are 6-1/2" long, nickel plated.

- No. 235** - Parallel and Side Cutting Pliers. Each



MUSIC WIRE CUTTER

This style of wire cutter has an adjustable clamping fixture which holds the material being cut perpendicular to the cutter jaws. Gives square ended cuts on both sides. 5-1/2" Long and have spring loaded cushion grip handles.

- No. 227** - Music Wire Cutter. Each

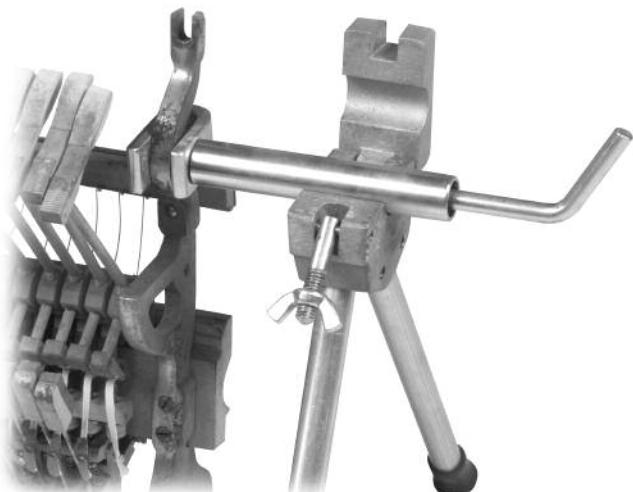


LONG NEEDLE NOSE PLIERS

Pliers are 6-3/4" long and have 2" long tapered and milled jaws for performing very fine repair work. Handles are cushion gripped and pliers have a polished steel finish.

- No. 234** - Long Needle Nose Pliers. Each

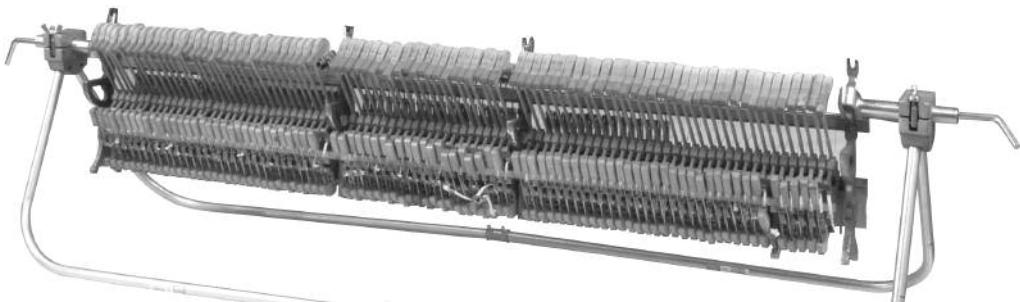
ACTION CRADLE AND POST EXTENSION



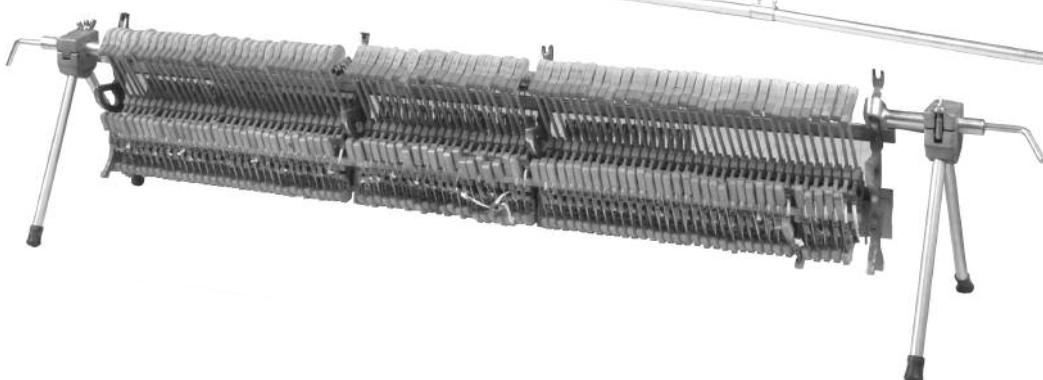
ACTION CRADLE

Now all metal, fully adjustable and accommodates all types of upright, spinet, and console actions. The illustrations below show the leg and sled construction, which are interchangeable, and both are included in each set. The action brackets are firmly held by screw clamps and hinged brackets...Action is free to rotate to any desired position, and can be locked in any position. A necessity in all piano repair shops.

No. 296 - Improved Action Cradle. Each



Sled runners for convenience in sliding in and out of cars or vans.



ACTION POST EXTENSION FOR UPRIGHT OR SPINET ACTION



ACTION POST EXTENSION

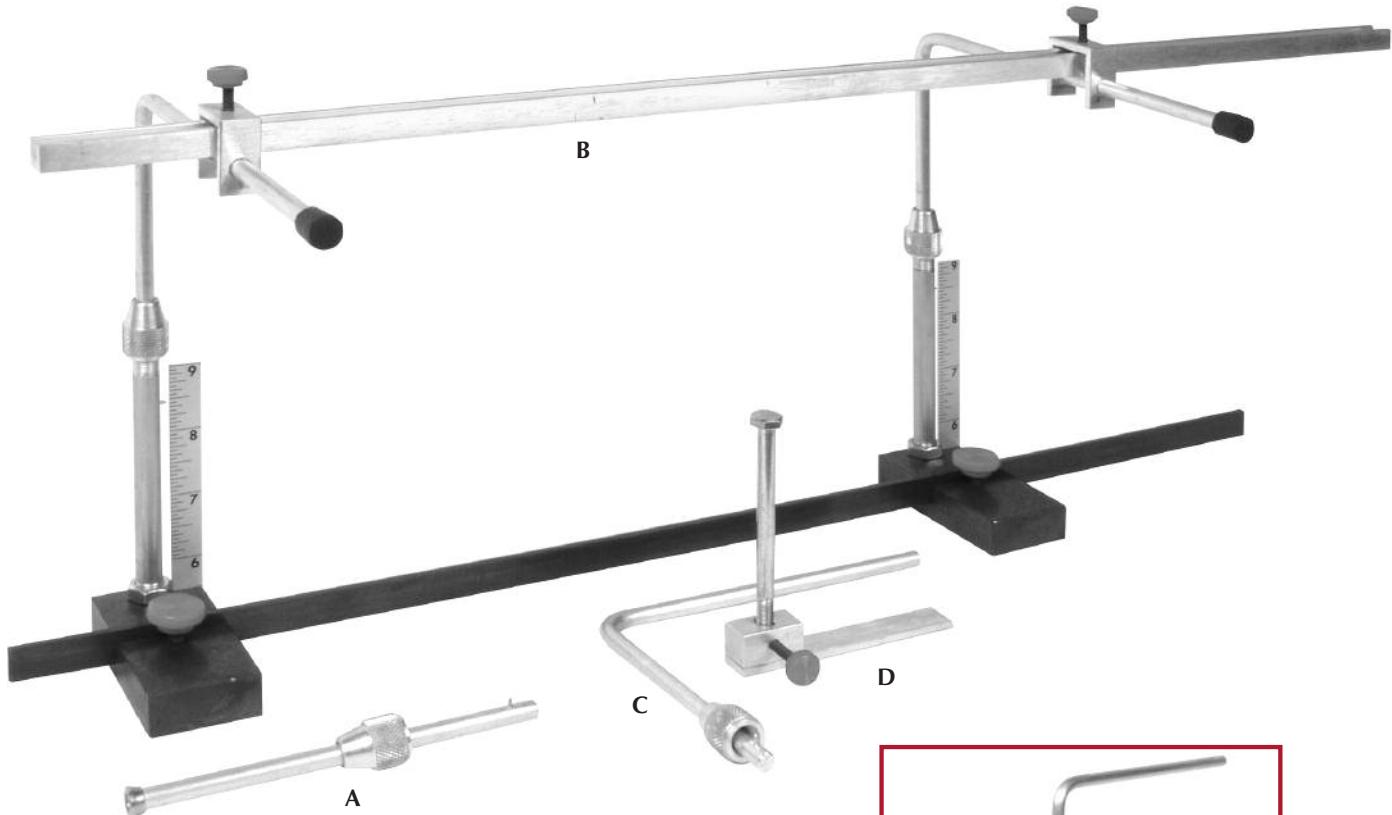
This tubular-aluminum device extends and locks in any position from 12" to 20". Quickly attaches to any bolt for holding action securely in upright position. Action sets on top of key blocks (use cardboard to prevent marring the finish). Action may be reversed for damper and screw tightening. An important piece of equipment that facilitates work in the home...permits greater accessibility to the action...and lessens the danger of damage from falling.

No. 297 - Action Post Extension. Each



JARAS TOOLS FOR PRECISION CRAFTSMEN

From installing key buttons to regulating grand pianos to hanging vertical piano hammers or leveling both white and black keys - Tony Jaras has literally revolutionized the technology of the Piano Repair Industry. Over the last 30 years, thirteen inventions have been developed that will undoubtedly secure a high place in piano repair history for Tony. Schaff is extremely proud to work with Mr. Jaras and be able to exclusively distribute his exceptional line of tools. By using the best quality materials available, each Jaras tool is designed to last a lifetime and enable the piano repair craftsman to do a more accurate job, as well as to save on installation or regulation time. Any serious piano technician must consider owning several Jaras tools.



(A) String Height Gauge Attachment. Insert into either of the two stands and by placing underneath the string an accurate reading can be obtained from the ruler gauge.

(B) The let off rod is then replaced into the stand and set for $1/16"$ lower than the string height reading. Now you are ready for let off regulating.

(C) Backcheck Gauge Attachment. Insert into stand like string height gauge attachment and set at the same reading (shown in insert). The bottom of the bent rod will be $5/8"$ from the strings. When the hammer is the same height as the bottom of the rod, the backcheck will be properly set.

(D) Damper Lever Height Gauge. Insert into the base of the stand and set the top of the extended part of the gauge under the damper lever. This measurement should be made when the hammers are half-way elevated or keys half-way depressed.

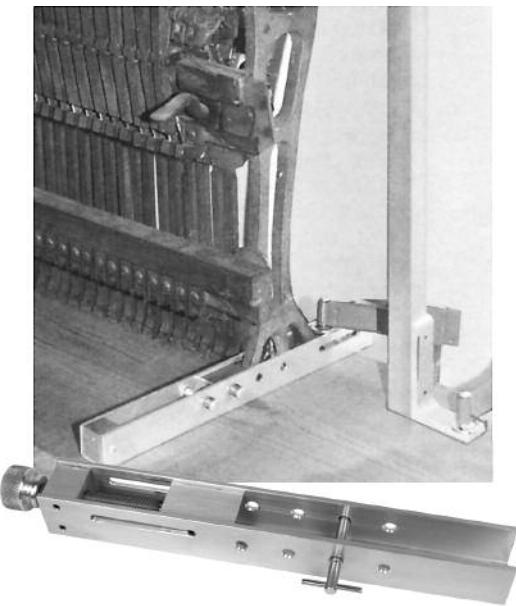


JARAS 4-IN-1 LET OFF RACK, STRING HEIGHT, BACKCHECK AND DAMPER LEVER HEIGHT GAUGE.

A proven best seller to take the guesswork out of grand piano regulation. Performs the regulating functions with precision. Tool will last a lifetime and pay for itself many times over. Parts are made of quality materials, completely disassemble and light in weight.

No. 907 - Jaras 4-In-1. Each

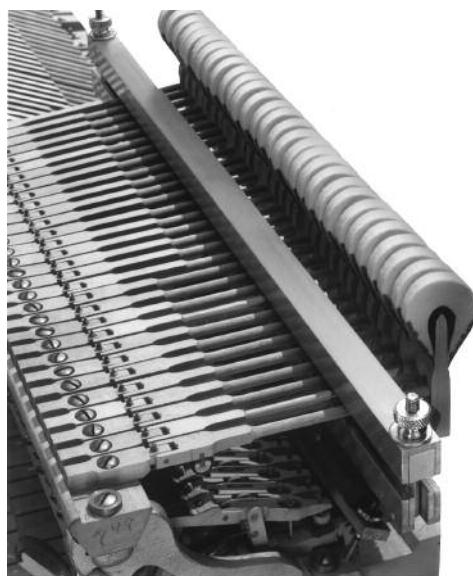
OTHER JARAS BEST SELLERS



JARAS UPRIGHT ACTION HOLDER

This Jaras tool was developed for holding the action in place to prevent tipping (see insert). Two units can be used on either end of the action, but only one is really necessary. The holder can be clamped to a table for added stability. Width of the holder should accommodate any type of action bracket, while the length is fully adjustable with 4 clamp positions on one end and a threaded screw assembly in front. Tool is made of aluminum and stainless steel, measures 10-1/2" long, weight 15 oz. Will last a lifetime.

No. 886 - Jaras Action Holder. Each



JARAS SHANK AND HAMMER CLAMP

This is an entirely new tool made of lightweight aluminum measuring 20 inches in length, enough so an entire section of shanks or hammers can be clamped at one time. There is a rubber cushion inlay on each side of the jaws to prevent marring of the hammer shanks. This clamp can be used for three different operations: shaping and roughing of grand hammer tails; cleaning old glue irregularities from hammer shanks; and dressing the striking surface of the felt hammers. The Jaras clamp is a lifetime tool that will drastically reduce the time needed to do these three operations.

No. 890 - Jaras Shank and Hammer Clamp. Each



JARAS ELECTRIC KEY BUSHING CLOTH REMOVER

Never before has there been a tool available to the piano technician to easily remove key bushing cloth (see insert A). Simply wet the felt bushing and insert the heated copper tip of the gun. Within a few seconds the steam will allow the bushing to be removed. So that the tool will not have to be continually unplugged to prevent overheating it is suggested that our No. 906 heat control unit be purchased.

No. 909 - Bushing Cloth Remover. Each



HEAT CONTROL UNIT

Will control the watts generated from any 120 volt tool up to 400 total watts.

No. 906 - Heat Control Unit. Each

OTHER JARAS BEST SELLERS



JARAS (REVISED) KEY BUTTON JIG

This jig, which now comes in three pieces plus a clamp fixture, takes the guesswork out of replacing key buttons. The key button bushing slots quickly will be parallel to the key's front rail slots, thereby, eliminating any binding on the key pins. The jig is made of aluminum and chrome-plated steel, and comes complete with operating instructions.

No. 147 - Jaras Key Button Jig. Each



JARAS SHARP LEVELING AND KEY-DIP DEVICE

Technicians no longer have to rely on leveling sharps by sliding across an inaccurate key slip. The tool is less than 1 ounce in weight and is straddled over the front end of the sharp to be regulated. Raise or lower the sharps until the lower shoulder of adjustable sleeve is flush with measuring rod.

No. 40 - Jaras Sharp Leveler. Each



JARAS STEINWAY REPETITION SPRING REGULATOR

This unique tool, measuring 5-1/4" long, is the answer to the age-old problem of regulating the Steinway repetition spring. A recessed groove at the end of the tool helps find and regulate the repetition spring without looking. Can also be used on other grand whippens such as Chickering.

No. 891 - Jaras Steinway Repetition Spring Regulator. Each



JARAS DIAL GAUGE SHARP LEVELER AND KEY DIP DEVICE

Similar to the No. 40 Jaras Tool shown above, except that a dial gauge is incorporated for exact .005 thousandths of an inch measurements. This measurement principle is just like the gauge in the No. 888 Jaras Multi-Functional Device. A standard 3/8" key dip is built into the tool, but with the dial gauge a .390" Steinway key dip can be easily and accurately attained.

No. 42 - Jaras Dial Gauge Leveler. Each

GAUGES



TORQUE WRENCH

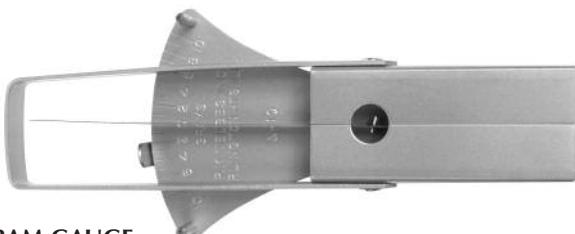
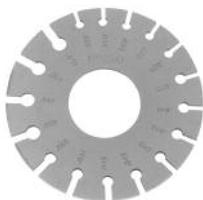
Slide marker shows tension on an inch-pound scale. The wrench has a range from 0 to 200 inch-pounds graduated in 10 inch-pound units. For measuring tuning pin tightness. Wrench has 3/8" drive, 12" overall length. Supplied with a # 23 3/8" ratchet head.

No. 6010 - Torque Wrench. Each

MUSIC WIRE GAUGE

This is a high quality gauge, made by Starrett Co., for measuring American Standard wire sizes 12 to 28. Decimal equivalents of .029" to .071" are shown on reverse side. Made of polished steel to last a lifetime.

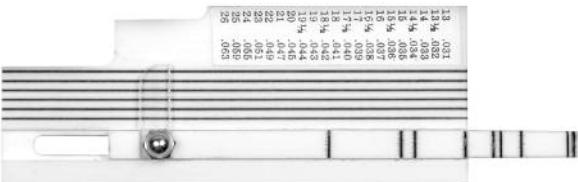
No. 342 - Music Wire Gauge. Each



GRAM GAUGE

A spring tension gauge for measuring 0-10 grams of resistance. Used for action center pinning to measure the relative tightness of the flange. Stainless steel gauge has a "U" guard to protect the spring pointer. 4-1/2" long.

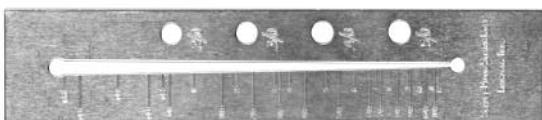
No. 145 - Gram Gauge. Each



MOFFAT REGULATING GAUGE

Incorporates several basic measurements for upright and grand piano regulating, together with three reference tables (center pin, wire and tuning pin sizes). With this gauge an action can be regulated outside of the piano accurately. 5-1/2" long, made of white colored plastic.

No. 45 - Moffat Regulating Gauge. Each



UNIVERSAL BASS STRING AND TUNING PIN GAUGE

This aluminum gauge is specifically designed to quickly and accurately measure universal bass string sizes. The numbers on the gauge correspond to our universal bass string tag numbers. Size 2/0 to 5/0 size tuning pins can also be measured. Gauge is 7" long x 1-1/2" wide.

No. 344 - Universal String and Pin Gauge. Each



EMIL FRIES 9-IN-1 GAUGE

Gives the technician the ability to quickly measure nine different regulating specifications. Precision laser cut to ensure exacting measurements. Blue powder coat finish.

No. 2100 - Emil Fries 9-in-1 Gauge. Each



SCHAFF'S TUNING PIN GAUGE

Being able to measure the size of a tuning pin, while the pin is still in the piano, has always been a problem until Schaff developed this gauge. This compact and high precision, stainless steel gauge fans out to measure 2/0 to 6/0 pins. Overall length is 2-1/2" to fit any tool case.

No. 44 - Schaff Tuning Pin Gauge. Each



GRAM WEIGHTS

This set of brass weights is useful in regulating the touch resistance of piano keyboards. Graduated from 1 to 64 grams, any weight can be achieved within this range in 1 gram increments.

No. 198 - Gram Weights. Each

SIZE	INCH TAP. INCH TAP. INCH TAP. DIM.			SCREW .096	CHECK'R .099
	DRILLS	SCREWS	SCREWS		
1	.048	.03	.02	.073	
2	.056	.051	.04		
3	.064	.06	.05		
4	.072	.07	.06	.112	
5	.080	.08	.07		
6	.090	.09	.08	.125	
8	.122	.12	.10		
10	.148	.14	.12	.164	
12	.174	.17	.14		
16	.224	.22	.19	.190	
20	.256	.25	.21		
24	.300	.29	.26	.216	
32	.384	.37	.34		
40	.448	.43	.40	.250	
50	.512	.50	.47		
64	.640	.63	.60	.312	
80	.800	.79	.76		
100	.1000	.99	.96		
120	.1200	.119	.116		
140	.1400	.139	.136		
160	.1600	.159	.156		
180	.1800	.179	.176		
200	.2000	.199	.196		
220	.2200	.219	.216		
240	.2400	.239	.236		
260	.2600	.259	.256		
280	.2800	.279	.276		
300	.3000	.299	.296		
320	.3200	.319	.316		
340	.3400	.339	.336		
360	.3600	.359	.356		
380	.3800	.379	.376		
400	.4000	.399	.396		
420	.4200	.419	.416		
440	.4400	.439	.436		
460	.4600	.459	.456		
480	.4800	.479	.476		
500	.5000	.499	.496		
520	.5200	.519	.516		
540	.5400	.539	.536		
560	.5600	.559	.556		
580	.5800	.579	.576		
600	.6000	.599	.596		
620	.6200	.619	.616		
640	.6400	.639	.636		
660	.6600	.659	.656		
680	.6800	.679	.676		
700	.7000	.699	.696		
720	.7200	.719	.716		
740	.7400	.739	.736		
760	.7600	.759	.756		
780	.7800	.779	.776		
800	.8000	.799	.796		
820	.8200	.819	.816		
840	.8400	.839	.836		
860	.8600	.859	.856		
880	.8800	.879	.876		
900	.9000	.899	.896		
920	.9200	.919	.916		
940	.9400	.939	.936		
960	.9600	.959	.956		
980	.9800	.979	.976		
1000	.10000	.999	.996		

DRILL GAUGES

Quickly and conveniently identify drill sizes.

No. 3306 - Number Size Drills
1-60. Each

No. 3307 - Fractional Size Drills
1/16"-1/2". Each

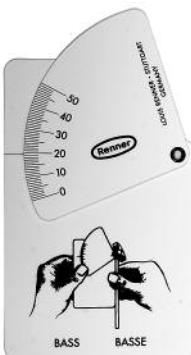


GAUGES

RENNER HAMMER ANGLE GAUGE

One size measures tenor and treble hammer angles, the other bass angles. Gauge is made of lightweight plastic that is 4-1/2" long X 2-3/4" wide. German made.

No. 289 - Hammer Angle Gauge. Each



HAMMER ANGLE PROTRACTOR

A precision tool for quickly and accurately measuring upright or grand hammer angles. Particularly useful for technicians who bore their own hammers. Stainless steel, measures 0-180 degrees.

No. 3153 - Hammer Angle Protractor. Each



DEPTH GAUGE

Good quality, low priced depth gage. 6" rule measures 32nds on one side, 64ths of an inch on the other side. Can be set to 30, 45 or 60 degree angles.

No. 3211 - Depth Gauge. Each



STARRETT MICROMETER

Measures 0 to 1 inch by 1/1000. Easy to read, satin chrome finish. Micrometer is 4-1/4" long and has a locking device for a fixed measurement. The Starrett name assures accuracy and a long life.

No. 3338 - Starrett Micrometer. Each



STARRETT DIGITAL MICROMETER

A precision micrometer that has large, easy to read counter numerals for quick and error free readings. There is a ratchet stop and spindle lock for repetitive, accurate measurements. Digital readings to 1 inch by .001; .0001 readings made by graduation readings on the sleeve. 5-1/2" long.

No. 4044 - Digital Micrometer. Each



DIGITAL MICROMETER

This imported economical digital micrometer is ideal for occasional use. Measures 0-1". Case included.

No. 3299 - Digital Micrometer. Each



DIGITAL CALIPER

The high-contrast digital display easily switches between inches, millimeters and fractions, with guaranteed accuracy to .001. Plastic case included.

No. 3292 - Digital Caliper. Each



DIAL CALIPER

This reinforced plastic, Swiss made caliper measures 4 ways: inside, outside, depth and step readings. The easy to read color coded dial is graduated in .01 and 64ths with inch and mm on the bar scale. Caliper measures 0 to 5" and is 8-1/2" long. Comes with a plastic case.

No. 4046 - Dial Caliper. Each



VERNIER CALIPER

This 8-1/2" long, stainless steel, dull chrome finish caliper has a capacity from 0-6" for reading inside, outside and depth measurements. Bottom of scale reads .001", the top 12/0 mm. On the back side there is a comparison reference table for metric, fractions and decimal. Automatic thumb lock and beveled jaws can be used for thread measurements.

No. 179 - Vernier Caliper. Each

GAUGES, WIRE AND PIN CLEANERS



6" FLEXIBLE STAINLESS STEEL RULES

These rules are a "must" for every technician. Available in either standard or standard/metric. 1/2" wide. Supplied with a pocket clip that doubles as a depth gauge.

No. 4032 - 6" Rule, 32nds & 64ths. Each

No. 4032A - 6" Rule, millimeters and 64ths. Each



6" HARDENED STAINLESS STEEL RULE

This fine rule is graduated by 8ths and 16ths one side, 32nds and 64ths other side. 3/4" wide.

No. 3197 - 6" Tempered Steel Rule. Each



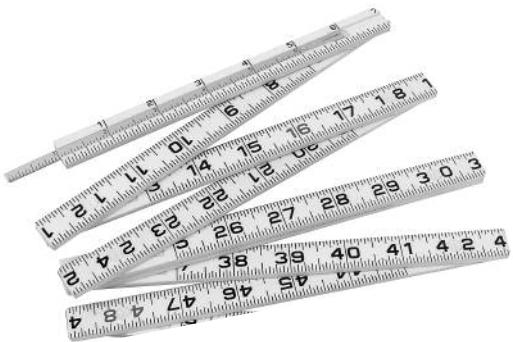
ALUMINUM RULES

These can be used for regulating procedures such as key leveling, lining up backchecks or hammer replacement.

No. 875 - 15" Aluminum Rule, 1-1/4" wide. Each

No. 876 - 36" Aluminum Rule, 1-1/2" wide. Each

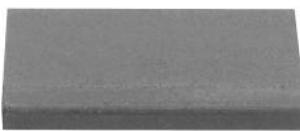
No. 877 - 48" Aluminum Rule, 2" wide. Each



6 FT. FIBERGLASS RULE

Made in Switzerland of tough, flexible high impact plastic, with fiberglass reinforcement for added durability. The rule's readings and the 6" extension are graduated in 16ths.

No. 4043 - 6 Ft. Fiberglass Rule. Each



POLITA STEEL POLISH

This 1" x 2" bar of emery impregnated rubber eraser is excellent for removing rust from wire strings, pedals, bearing bars and any other metal parts.

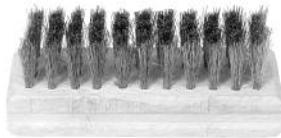
No. 169 - Polita Steel Polish. Each



HANDLE FOR STEEL POLISH

Designed specifically for holding the Polita steel polish bars. Unbreakable plastic handle is 4" long.

No. 169H - Handle For Steel Polish. Each



SUEDE BRUSH

Brass wire bristled brush for dressing leather on catchers, grand knuckles and backchecks. Handle 3-1/4" x 1-1/8".

No. 3204 - Suede Brush. Each



TRAVIS TUNING PIN AND COIL CLEANER

The steel coil cleaner cylinder can be used with a 1/4" electric or hand drill. Rust and dirt can be removed from tuning pins quickly by placing a small amount of compound on pin head, and with the rubber bushing inserted into the steel cylinder and over the tuning pin, work up and down to clean. Kit includes 24 rubber bushings, steel cylinder and 4 oz. of cleaning compound.

No. 111 - Tuning Pin and Coil Cleaner Kit. Each

No. 111B - Extra Rubber Bushings. Each

No. 111C - 4 oz. Extra Cleaning Compound. Each

SHOP TOOLS



WELLER HEAT GUN

Weighing just 13 oz. and having a long, 3/4" diameter nose makes this heat gun ideal for all types of precision piano action work. With the four attachments included, as shown in the picture, heat can be applied to a very defined area for such jobs as hammer shank bending. This gun reaches to 800 degrees in 10 seconds; is 120 volts, 250 watts; has a hot and cold air switch and comes with a 6 ft. cord.

No. 415 - Heat Gun. Each



HOLD-HEET® ELECTRIC GLUE POT

Glue pot has an automatic thermostat control that will hold glue temperatures within 1 degree so that glue will not be overheated. The pot is double insulated enabling the heat to stay on the inside, thus saving on energy costs. The quart size, removable container is made from heavy spun aluminum that has a turnover flange to prevent glue from lodging in the inner chamber.

No. G-1155 - Electric Glue Pot. Each

DREMEL TOOLS



VARIABLE SPEED DREMEL TOOL

The most popular Dremel rotary tool available features the EZ TWIST™ nose cap with an integrated wrench that allows the nose cap to be used as a wrench to tighten items, eliminating the need for a separate wrench. Variable speed from 5,000 to 32,000 RPM for greater versatility and a ball-bearing universal motor which runs cool and smooth.

No. D-3000 - Variable Speed Dremel Tool. Each



DRUM SANDER GUIDE

Our 2" long aluminum guide for making a controlled, square cut over the piano hammer's surface, can be used with any style Dremel tool. The guide has three stations, one each for light, medium and deeper cuts. The newer model Moto-Tools shown now have a flared head piece, which must be removed to be able to attach the Drum Sander Guide. We include our No. 224A Plastic Head Adapter to make the conversion.

No. 224 - Drum Sander Guide with Adapter. Each

No. 224A - Adapter Only. Each

DRUM SANDER

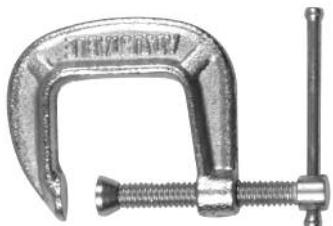
This Moto-Tool accessory is designed to be used with our No. 224 Drum Sander Guide to file and clean up piano hammers. The drum is 1/2" diameter.

No. A-7 - Drum Sander. Each

No. A-8 - Sanding Bands. Pkg. of 6

SHOP TOOLS

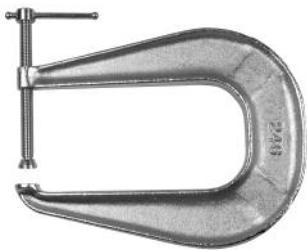
"Jorgensen" CLAMPS



"C" CLAMPS

Adjustable "C" clamps have correctly designed malleable iron frames for the greatest strength. Clamps also have oscillating swivels that stay put, carefully fitted steel screws and sliding "vise type" handles.

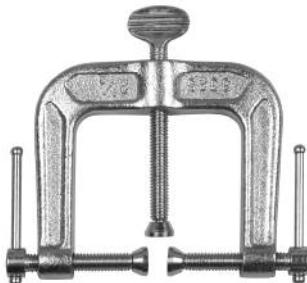
No. CT-50 - 1" Opening, 1" Throat Depth. Each
No. CT-54 - 2" Opening, 1" Throat Depth. Each



DEEP THROAT "C" CLAMP

This clamp has all the characteristics of the above clamps and provides a load capacity of 1,600 lbs. The maximum opening is 2-1/2" with a throat depth of 6-1/4".

No. CT-58 - Deep Throat "C" Clamp. Each



3-WAY EDGING CLAMP

Again, this clamp has all of the characteristics of the above clamps as well as providing a convenient, practical method for applying "right angle" pressure to the edge or side of work. Indispensable for installing or repairing molding, trim, decorative attachments, etc. Opening capacity is 2-1/2" and maximum throat depth is 2-1/2".

No. CT-325 - 3-Way Edging Clamp. Each



PIPE CLAMP FIXTURE

To be used with 3/4" diameter pipe that is not included. Fixture consists of a head piece, screw and handle, together with a multiple disc clutch foot that has a 1-3/4" clamping surface. Baked enamel finish.

No. CT-600 - Pipe Clamp Fixture. Each



ADJUSTABLE HANDSCREWS

Used for gluing and assembly of woodwork, furniture, cabinet work, musical instruments, etc. The hard maple jaws do not mar the work, and can afford a broad area of evenly distributed pressure or concentration at one point. Steel spindle hand screws have hard maple handles.

No. CT-708 - 8" long jaws, 4-1/2" jaw opening. Each
No. CT-714 - 14" long jaws, 10" jaw opening. Each
No. CT-718 - 18" long jaws, 14" jaw opening. Each



NYLON BAND CLAMP

A lightweight, low priced clamping device with many applications. The 1" wide x 15 foot long nylon band encircles any round or irregular shape to apply pressure all around the work. Clamp comes with four steel corners for picture frame or mitered joint clamping, as well as a self-locking cam and a small wrench for final tightening.

No. CT-215 - Nylon Band Clamp. Each



STEEL BAR CLAMP

This is a lightweight, low priced, instant acting bar clamp whose multiple disc clutch permits instant adjustment with a quick release. Clamp has a 6" jaw opening and a 2-1/2" throat depth.

No. CT-400 - Steel Bar Clamp. Each



CANVAS BAND CLAMP

Similar to the nylon band clamp listed above except that the band is made of a 2" wide x 15 foot pre-stretched canvas. This heavy duty clamp has self locking cams to hold the bend securely after being tightened down with the 5/8" diameter steel screw. Rubber pad on the base unit protects finished surfaces.

No. CT-615 - Canvas Band Clamp. Each

SHOP TOOLS



15-IN-ONE RATCHET SCREWDRIVER

A slight turn of the spring-loaded bit selector knob opens the chamber for easy access and storage- making the exchange of bits a snap. A must for every technician. 8" overall length.

No. 3271 - Ratchet Screwdriver. Each



3 PIECE SCREWHOLDING SET

One kit solves all of your screw holding, starting and driving problems. 1/8", 3/16" and 1/4" slotted blades.

No. 4028 - 3 Piece Screwholding Set. Each



SLOTTED BLADES RATCHET OFFSET SCREWDRIVER

This is the same tool as No. 4036 listed above, except for the slotted blades measuring 1/4" and 3/8" wide.

No. 4035 - Slotted Ratchet Offset Screwdriver. Each



PHILLIPS BLADES RATCHET OFFSET SCREWDRIVER

A handy tool box screwdriver for hard to reach screws where leverage is required. Ratchet adjusts for forward or reverse position. Tool has both #1 and #2 phillips blades and is 4" long.

No. 4036 - Phillips Ratchet Offset Screwdriver. Each

MAGNETIZER & DEMAGNETIZER

1-1/4" cube magnet is specially designed for either magnetizing or demagnetizing any small tools such as screwdrivers, wrenches, etc. Converts any tool blade into a magnetic retriever for screws, nuts and metal parts.



No. 4041 - Magnetizer & Demagnetizer. Each



PHILLIPS SCREWHOLDER

This 9" long aluminum shaft screw holder is designed to start or retrieve any cross slot screw. Will fit any size phillips screw. Not made for driving screws.

No. 4029 - Phillips Screwholder. Each



SLOTTED BLADE SCREWHOLDER

Measuring 9-1/2" long with a 3/16" wide slotted blade, this screwholder holds, starts and drives screws in awkward, hard-to-reach places.

No. 4030 - Slotted Blade Screwholder. Each



SLOTTED SCREW STARTER

A spring tension chuck end holds any slotted screw from No. 3 to 7/16" wide. Being only 5" long and made of aluminum, this tool is perfect for your tool case.

No. 4037 - Slotted Screw Starter. Each



PHILLIPS SCREW STARTER

Another small, lightweight tool for your traveling case. Spring steel chuck holds sizes No. 6 to 1/4" phillips screws. Made of aluminum. 5" long.

No. 4038 - Phillips Screw Starter. Each



PIANO ACTION SCREWDRIVER

Long slender magnetized blades 3/16" diameter excellent for piano action work. "Cushion Grip" handles.

No. 3272 - 10" Screwdriver. Each

No. 3273 - 8" Screwdriver. Each

No. 3274 - 6" Screwdriver. Each

SHOP TOOLS



NUT DRIVER SET

Another fine Vaco product that includes 7 chrome plated, plastic handle nut drivers to be used on hex nut sizes 3/16" to 1/2". Nut drivers are all 7" long and fit into a vinyl pouch.

No. 50-7 - Nut Driver Set. Each



FLEXIBLE LIGHTED PICK-UP TOOL

Features a built-in LED light and a 24" flex-shaft allowing you to maneuver through cramped spaces to retrieve fallen items. Equipped with a corrosion-resistant black finish.

No. 48-L - Flexible Lighted Pick-Up Tool. Each



PICKUP AND SCREWHOLDING TOOL

Tool has flexible shaft and plastic handled choke cable with claw fingers for ease of picking up dropped items in pianos.

No. 48 - Pickup Tool, 14" long. Each



TELESCOPING MAGNETIC PICKUP

This is a very high powered (2 lb. pull) magnetic pickup that extends from 5" to 24" long. Comes chrome plated with a pocket clip. Great for retrieving screws, tools, metal piano parts, etc.

No. 4033 - Telescoping Magnetic Pickup. Each



FLEX MAGNETIC RETRIEVING TOOL

The flexible shaft has the ability to snake into hard to reach areas to find and retrieve any metal object. Magnet can lift up to 18 oz. and lasts a lifetime. Overall length 17-1/2".

No. 284 - Flex Magnetic Retrieving Tool. Each



FLEX MAGNETIC PICKUP

An excellent tool for retrieving screws, nuts, tools and other steel parts from inside of pianos or other inaccessible places. Tool has an 18" stiff shaft pickup or an extra long 34" flexible retriever.

No. 4034 - Flex Magnetic Pickup. Each

TWIST DRILL SET

(FRACTIONAL SIZES)

High speed twist drills for use in wood, metal or plastic. Set of 13 in metal carrying case. Size 1/16" - 1/4" by 64ths.

No. 3269 - Twist Drill Set. Each



TWIST DRILL SET

(NUMBER SIZES)

High speed twist drills for use in wood, metal or plastic. Set of 60 in metal carrying case. One each #1 to #60.

No. 3270 - Twist Drill Set. Each



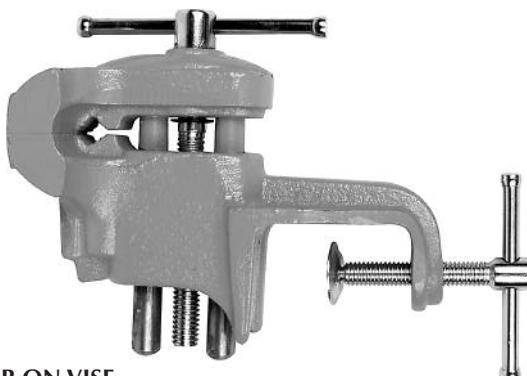
SPADE BIT SET

6 piece professional series bits have hex shaped stems and are made from high grade tool steel. The six sizes, 3/8", 1/2", 5/8", 3/4", 7/8" and 1", fit into a vinyl pouch.

No. MF-8006 - Power Bit Set. Each



SHOP TOOLS



CLAMP-ON VISE

This light duty clamp-on vise has a 3" jaw width with a maximum opening capacity of 2-1/2". Vise mounts securely on bench edges up to 2-1/2" thick.

No. 288 - Clamp-On Vise. Each



AWL

4" forged steel blade with a wood handle, makes this awl 7" in length.

No. MF-365 - Awl. Each



MINI SCREWDRIVER AND AWL KIT

Swivel top handle with chuck end comes with four screwdriver blades (.055" to .100") and one awl. Comes with a 3" high plastic case.

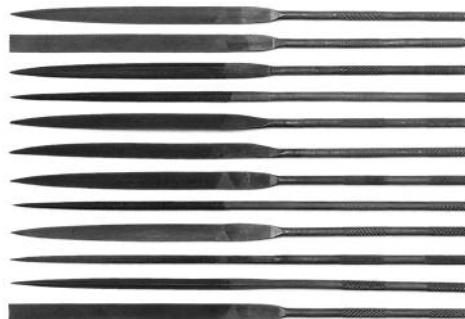
No. 56 - Mini Screwdriver and Awl Kit. Each



CHISEL SET

3 piece set includes one each of 1/2", 3/4" and 1" wide blades made from professional quality drip forged steel. All have full bodied, impact resistant plastic handles. Vinyl pouch storage case.

No. 292 - Chisel Set. Each



CORTLAND NEEDLE FILE SET

Consists of 12 different needle files, as shown in the photo, that are to be used for any fine craftsman type work. Files are 5-1/2" long and stored in a plastic case.

No. 100 - Cortland Needle File Set. Each



RETRACTABLE KNIFE

This stainless steel knife features an automatic blade lock for extra control and safety. Built-in pocket clip/blade snapper and a stainless steel blade channel for blade security. Easy, tool-free blade change.

No. 4040 - Retractable Knife. Each

No. 4040B - Replacement Blade. Each



ADJUSTABLE WRENCH

Again, this is a valuable tool for a compact tool case. Only 4" long, that jaws can open to 1/2" wide.

No. 4026 - Adjustable Wrench. Each



ADJUSTABLE WRENCH

Thin jaws to reach difficult spots. Drop forged from tough alloy steel, 8" long, jaws open to 15/16".

No. 3200 - Adjustable Wrench. Each



HANDY HACKSAW

Designed for fine, close work, this saw has a steel frame that takes 6" L x 1/4" W hacksaw blades.

No. 295 - Handy Hacksaw. Each

No. 295A - Replacement Blades, Set of 5. Each

TECHNICIAN'S CASES



STRING CASE

For replacement strings. Hold 4 lbs. of wire: 1 - No. 2019
Packet of 19 strings and 1 - No. 2006 Packet of 6 heavy
strings, plus an assortment of tuning pins. 2-3/4" x 15-1/2" x
15-1/2". Made of heavy fibre board with metal corner
braces. Strong strap with claw buckle. A very handy and
useful case for your replacement strings.

No. 260 - String Case. Each



PIANO KEY MAILING CASE

This durable, lightweight case is ideal for shipping piano
keys. Equipped with web straps and claw buckles. Measures
26" x 15-1/2" x 7-1/2".

No. 2668 - Piano Key Mailing Case. Each



SCHAFF CANVAS CASE

This case has tie strings
on both ends to permit
coiling and fastening for
easier carrying.

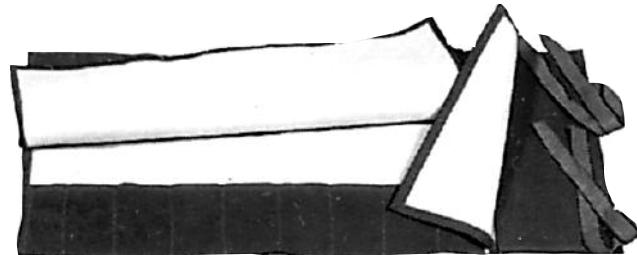
No. 2007 - Canvas Case,
Water Repellent. Each



REGULATING TOOL POUCH

Designed to fit 7 regulating tools and combination handle.
(Tools not included)

No. 4101 - Case Only. Each



CANVAS TOOL ROLL

Made from our black mackintosh piano cover material, this
tool roll measures 27" long x 13" wide. One side has
sixteen 1-1/4" wide openings and under the flap there are
nine pockets 2-1/4" side. The vertical opening on the right
side is for parts or tuning lever storage and measures 13" x
6". Comes with two tie straps.

No. 264 - Canvas Tool Roll. Each



CANVAS TOOL ROLL

Made like our No. 264 Tool
Roll above, only larger. The
long tool pouch has 22
pockets 1-1/4" wide, 7
pockets 2" wide and has an
overall measurement of 10"
x 42". The additional tuning
lever pouch on top is 6" x
15". Tool Roll measures 10"
x 16" when closed.
(Tools not included)

No. 2665 - Canvas Tool
Roll. Each

TECHNICIAN'S CASES

GENCK GRAND MASTER JR. TOOL CASE

This case combines all the great quality features of past models, but now comes in a smaller lighter version for the technician who wants to carry less throughout the work day. This specially designed compact unit is so organized...it holds enough tools and supplies to do up to 95% of your work, yet only weighs about 12 lbs. full. Plus, it has an office section, room for your iRCT hardware, a professional look.

- Specially Designed for Piano Tools
- Super-Tough Ballistic Nylon Shell
- Removable Inside Pallet
- Measures 14" L x 10-1/4" H x 5-1/2" D

No. 2701 - Genck Grand Master Jr. Tool Case. Each.



DATAMASTER CASE

This large case, measuring 18" L x 13" W x 6" H, has been a best seller for years. Case has a rugged ABS plastic shell with a sturdy heavy gauge aluminum frame. The handle is padded with a steel core, corners are fiberglass reinforced and the bottom part of the case is divided into three sections measuring 8-1/2" x 14", 3-5/8" x 14" and 3-5/8" x 13". Plastic containers (as the picture shows, but not included) can be put into the case's bottom for small parts storage. Two removable pallets are included that can hold at least 50 tools. The top part of the case has a pocket to hold literature and invoice pads. Weighing 9 lbs. when empty, the case comes in black and can be locked with a key.

No. 267 - Datamaster Case. Each



CORDURA® NYLON TOOL CASE

This case represents a new concept in design by combining the sleek style of a professional carrying case with the sturdiness of a quality tool case. One compartment of the case is devoted to the storage of tools, having 48 pockets of various sizes, while the other compartment is designed as a briefcase for storing manuals, files, billing pads, etc. Also included is space for a clipboard, writing instruments and even a calculator. Measuring 18-1/2" L x 11" H x 5-1/2" D, this case is made of lightweight, yet durable, Cordura nylon. As the left picture shows, on the outside of the case, one side has two separate pockets (10" x 6"), while the other side has one larger pocket measuring 10" x 12". Comes in black only and weighs 5 lbs. empty. Instead of the two soft handles, a shoulder strap is available as an option.

No. 2661 - Cordura Nylon Tool Case. Each



CUSTOM BASS STRINGS

All copper windings on FINEST GRADE PIANO CORE WIRE

COMPLETE SETS:

For Uprights, Spinets and Small Grands. **No. 2044** Per String.
For Concert Grands and Square Grands. **No. 2045** Per String.

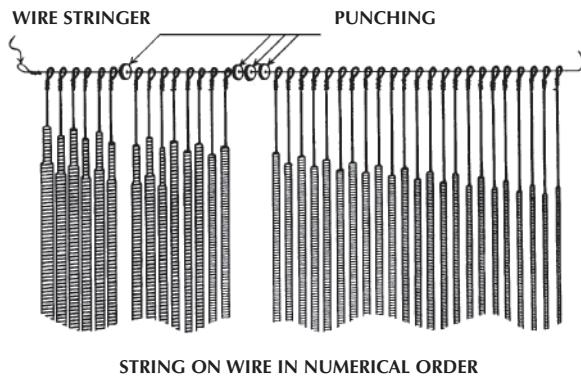
PARTIAL SETS:

10 to 20 Consecutive Single Wound Strings. **No. 2042** Per String.
8 to 20 Consecutive Double Wound Strings. **No. 2043** Per String.

DIRECTIONS FOR ORDERING COMPLETE SETS

METHOD NO. 1 RETURNING OLD STRINGS

Remove old strings from the piano, stringing them on a wire in numerical order as they are removed from the piano. Where a string is missing, place a punching on the wire to represent the missing string.

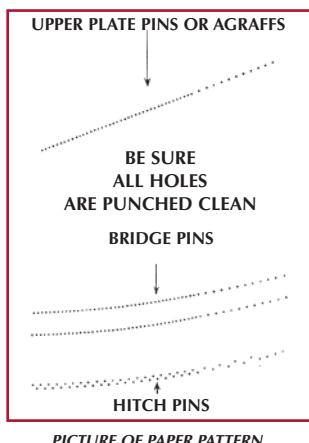


BE SURE TO KEEP THE STRINGS IN NUMERICAL ORDER

Send the old strings to SCHAFF with your name, address and customer number on a slip of paper along with the following information:

1. Name of Piano
2. Number of strings one (1) to a note
3. Number of strings two (2) to a note
4. Number of strings three (3) to a note
5. Number of wound strings on separate or treble bridge

METHOD NO. 2 PAPER IMPRESSION OF HITCH PINS, BRIDGE PINS, AND UPPER PLATE PINS OR BEARING POINTS.



Satisfactory results can be obtained with a paper pattern

- A. Take a piece of paper long enough and wide enough to cover the complete bass string section.
- B. With the Pattern on top of the Hitch-Pins, sandpaper across the Pattern until the Hitch-Pins clearly show through the paper. Press the Pattern down around the Hitch-Pins until the paper rests on the plate.
- C. With the Pattern now firmly held by the Hitch-Pins, stretch it tightly across the Bridge-Pins and sandpaper the Pattern until all Bridge-Pins clearly show through the paper. Press the Pattern all the way down on the Bridge-Pins until the paper rests on the bridge with the Bridge-Pins clearly showing through the Pattern.
- D. Now stretch the Pattern over the Agraffes or the Upper Plate bearing points and sandpaper on the Pattern until their position is clearly indicated.

This gives us an accurate pattern (see illustration) and assures you a set of strings that will properly fit your piano.

Send the Pattern with the First and Last strings to SCHAFF with the following information written on the pattern:

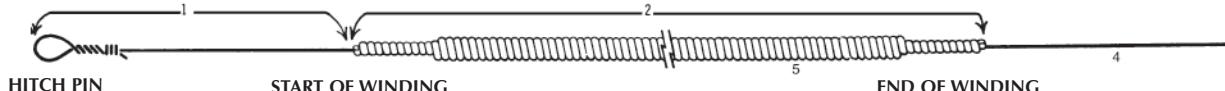
1. State if pattern was taken over the dampers.
2. Name of piano.
3. Number of strings one (1) to a note.
4. Number of strings two (2) to a note.
5. Number of strings three (3) to a note.

INDIVIDUAL STRINGS

(Ninety-five per cent (95%) of all individual string replacements can be made from the SCHAFF UNIVERSAL REPLACEMENT PACKET.)

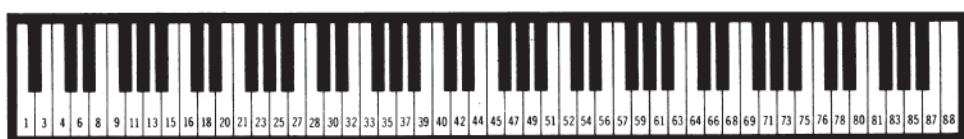
No. 2040 - Single Wound Strings. Each

No. 2041 - Double Wound Strings. Each



Whenever possible return the old string for duplication. If the old string is not available, we can make one for you with the following information:

1. Length from Hitch-Pin to start of winding.
2. Length of winding.
3. String number.
4. Core diameter (steel).
5. Overall diameter with wrap (copper).



String number as it lies in the scale can be determined by counting from the lowest bass note in the Piano (No. 1) on up the scale toward the Treble Section, counting each string individually.

UNIVERSAL BASS STRINGS

On-The-Spot Replacement of Single Wound Bass Strings SAVES TIME and LABOR

SCHAFF UNIVERSAL REPLACEMENT PIANO STRINGS



The Schaff Universal Bass String Packet enables you to make "On-the-Spot" replacement of all single-wound Bass Strings except the largest grands. It's a MUST in Tuners' Kits because it permits immediate replacement of broken or dead bass strings while on the JOB and saves the costly call back. IT'S CONVENIENT...you simply unwind covering wire, clip it and the extended core wire to correct length and install.

To keep your set complete, simply return the tag from the string you use and we will send you the exact duplicate.



SCHAFF CANVAS CASE

This case has tie strings on both ends to permit coiling and fastening for easier carrying.

No. 2007 - Canvas Case, Water Repellent. Each

PACKET OF 19 STRINGS

No. 2019 - Packet of 19 strings. Set

PACKET OF 6 HEAVIEST STRINGS

No. 2006 - Packet of 6 Heaviest Strings. Set

PACKET OF 10 STRINGS

Very heavy replacement on Steinway Grands, etc.

No. 2010 - Packet of 10 Strings. Set

PACKET OF 37 STRINGS

A special assortment of 37 Strings adaptable to some of the better make grands which use a lighter size steel core and a heavier size copper covering wire.

No. 2037 - Packet of 37 Strings. Set



HEXAGON STEEL CORE WIRE

COPPER WINDING

Enlarged image of hexagon steel core wire. This shows how each coil of Copper Covering Wire is gripped permanently by the six edges of Hexagon Steel.



STRING CASE

For replacement strings. Hold 4 lbs. of wire: 1 - No. 2019 Packet of 19 strings and 1 - No. 2006 Packet of 6 heavy strings, plus an assortment of tuning pins. 2-3/4" x 15-1/2" x 15-1/2". Made of heavy fibre board with metal corner braces. Strong strap with claw buckle. A very handy and useful case for your replacement strings.

No. 260 - Case only (unfilled). Each

UNIVERSAL BASS STRINGS

INDIVIDUAL UNIVERSAL BASS STRING MEASUREMENTS

STOCK NO.	STRING NO.	APPROXIMATE OUTER DIAMETER	LENGTH OF WRAP	STOCK NO.	STRING NO.	APPROXIMATE OUTER DIAMETER	LENGTH OF WRAP
No. 2019 (19 string series)							
3-1/2" hitch to wrap (all strings)							
Set includes 1 of the following except items marked with an astrisk.							
2019R-1	B48 1	.144"	59-5/8	2037R-1	S50 1	.138"	56-1/8
2019R-1-1/2	B48 1-1/2	.134"	59	2037R-2	S50 2	.136"	55-7/8
2019R-2	B48 2	.128"	58-5/8	2037R-3	S50 3	.132"	55-5/8
2019R-2-1/2	B48 2-1/2	.124"	58-1/4	2037R-4	S50 4	.128"	55-3/8
2019R-3	B48 3	.117"	57-5/8	2037R-5	S50 5	.125"	55-1/4
2019R-3-1/2	B48 3-1/2	.112"	57-1/8	2037R-6	S50 6	.122"	55
2019R-4	B48 4	.109"	56-3/4	2037R-7	S50 7	.118"	54-3/4
2019R-4-1/2	B48 4-1/2	.102"	56-1/4	2037R-8	S50 8	.116"	54-1/2
2019R-5	B48 5	.097"	55-7/8	2037R-9	S50 9	.114"	54-1/4
2019R-5-1/2	B48 5-1/2	.088"	55-1/8	2037R-10	S50 10	.112"	54
2019R-6	B48 6	.084"	54-3/4	2037R-11	S50 11	.109"	53-5/8
2019R-6-1/2	B48 6-1/2	.077"	54-1/4	2037R-12	S50 12	.107"	53-1/2
2019R-7	B48 7	.075"	53-3/4	2037R-13	S50 13	.104"	53-1/8
2019R-7-1/2	B48 7-1/2	.074"	53-1/8	2037R-14	S50 14	.099"	53-1/8
2019R-8	B48 8	.069"	52-5/8	2037R-15	S50 15	.097"	53-1/8
2019R-8-1/2*	B48 8-1/2	.067"	52-1/4	2037R-16	S50 16	.094"	53-1/8
2019R-9	B48 9	.063"	51-5/8	2037R-17	S50 17	.092"	53-1/8
2019R-9-1/2*	B48 9-1/2	.061"	51-1/8	2037R-18	S50 18	.088"	53-1/8
2019R-10	B48 10	.059"	50-1/2	2037R-19	S50 19	.086"	53-1/8
2019R-10-1/2*	B48 10-1/2	.056"	50-1/8	2037R-20	S50 20	.082"	53-1/8
2019R-11	B48 11	.054"	49-1/2	2037R-21	S50 21	.080"	53-1/8
2019R-11-1/2*	B48 11-1/2	.053"	49	2037R-22	S50 22	.077"	53-1/8
2019R-12	B48 12	.051"	48-5/8	2037R-23	S50 23	.076"	53-1/8
No. 2006 (6 string series)							
3-1/2" hitch to wrap (all strings)							
Set includes 1 of the following							
2006R-01	B48 01	.155"	59-5/8	2037R-24	S50 24	.075"	53-1/8
2006R-02	B48 02	.158"	59-5/8	2037R-25	S50 25	.073"	53-1/8
2006R-03	B48 03	.165"	59-5/8	2037R-26	S50 26	.071"	53-1/8
2006R-04	B48 04	.175"	59-5/8	2037R-27	S50 27	.069"	53-1/8
2006R-05	B48 05	.186"	59-5/8	2037R-28	S50 28	.067"	52-7/8
2006R-06	B48 06	.194"	59-5/8	2037R-29	S50 29	.066"	52-1/2
No. 2010 (10 string series)							
3-5/8" hitch to wrap (all strings)							
Set includes 1 of the following							
2010R-01	S50 01	.212"	60-1/4	2037R-30	S50 30	.065"	52-1/4
2010R-02	S50 02	.207"	60	2037R-31	S50 31	.064"	51-3/4
2010R-03	S50 03	.202"	59-5/8	2037R-32	S50 32	.063"	51-3/8
2010R-04	S50 04	.197"	59-1/4	2037R-33	S50 33	.062"	51
2010R-05	S50 05	.191"	58-5/8	2037R-34	S50 34	.061"	50-5/8
2010R-06	S50 06	.185"	58-1/8	2037R-35	S50 35	.060"	50-1/4
2010R-07	S50 07	.179"	57-3/4	2037R-36	S50 36	.058"	45-1/4
2010R-08	S50 08	.172"	57-1/4	2037R-37	S50 37	.056"	44-7/8
2010R-09	S50 09	.166"	56-7/8				
2010R-10	S50 010	.160"	56-3/8				

UNIVERSAL BASS STRINGS

SCHAFF UNIVERSAL BASS STRING PACKET

STEP BY STEP INSTRUCTIONS FOR INSTALLING SCHAFF UNIVERSAL REPLACEMENT PIANO STRINGS

- 1 Select a string from the Schaff Replacement Set which matches most closely the overall diameter of the broken string.



Place the loop end of the wire over the hitch pin and across the bass bridge. Line up replacement string with other strings in the piano. Measure 1/4" from point where windings end on other strings toward the bass bridge. Cut through copper winding of new string at this point.



Stretch replacement string across to upper plate bearing or agraffe. Line up replacement string with windings of other strings. Measure 1/4" from winding line toward opposite (hitch pin) side to allow for stretch. Cut through copper winding (see No. 6) of new string at this point.



Stretch replacement string up to the tuning pin. Allow enough length for 3 coils on tuning pin. Cut through winding and wire core to remove excess length of the replacement string.



Be sure to cut through copper winding wire with a circular motion in the same direction as the winding has been done. This will prevent windings from loosening their grip on core wire.



Remove replacement string and unwind copper winding at both ends up to the scored sections. Install as a custom made string.

Keep your replacement set complete - return the tags from all replacement strings you use.

PIANO WIRE



ROSLAU Piano Wire - Imported from Germany. Piano Wire is the "Blue Chip" of the steel industry. Because of its exacting requirements, only the finest grade steel of precise chemical analysis is used in its manufacture. To help assure beauty of tone, it must be exceedingly uniform in thickness and roundness. Tolerances are held to .0003". This wire is the finest available. Measured by American Standard Music Gauge.

Size	Diameter	Feet Per Lb. (Approx.)	Stock Numbers	
			1 Lb. Coil	5 Lb. Coil
12	.029	440	1-12	5-12
12-1/2	.030	415	1-12-1/2	5-12-1/2
13	.031	390	1-13	5-13
13-1/2	.032	366	1-13-1/2	5-13-1/2
14	.033	350	1-14	5-14
14-1/2	.034	328	1-14-1/2	5-14-1/2
15	.035	306	1-15	5-15
15-1/2	.036	290	1-15-1/2	5-15-1/2
16	.037	274	1-16	5-16
16-1/2	.038	260	1-16-1/2	5-16-1/2
17	.039	250	1-17	5-17
17-1/2	.040	234	1-17-1/2	5-17-1/2
18	.041	223	1-18	5-18
18-1/2	.042	212	1-18-1/2	5-18-1/2
19	.043	200	1-19	5-19
19-1/2	.044	190	1-19-1/2	5-19-1/2
20	.045	182	1-20	5-20
20-1/2	.046	174	1-20-1/2	5-20-1/2
21	.047	165	1-21	5-21
21-1/2	.048	160	1-21-1/2	5-21-1/2
22	.049	156	1-22	5-22

Music Wire: Thin Sizes:

Size	Diameter	Feet Per Lb. (Approx.)	Stock Numbers	
			1/4 Lb. Coil	1/2 Lb. Coil
4/0	.006	10,204	1/4-4/0	-
3/0	.007	7,462	1/4-3/0	-
2/0	.008	5,714	1/4-2/0	-
0	.009	4,545	1/4-0	-
1	.010	3,700	1/4-1	-
2	.011	3,033	1/4-2	-
3	.012	2,560	1/4-3	-
4	.013	2,170	1/4-4	-
5	.014	1,886	-	1/2-5
6	.016	1,428	-	1/2-6
7	.018	1,136	-	1/2-7
8	.020	917	-	1/2-8
9	.022	757	-	1/2-9
10	.024	636	-	1/2-10
11	.026	540	-	1/2-11

Music Wire has a variety of uses. The following list shows some of the common uses and the corresponding wire sizes:

#2/0 to #6 - Harpsichords

#9 to #11 - Zithers

#6 to #13 - Cheese and Butter Cutters

#7 and #9 - Dulcimers

#5 to #9 - Surgical

#26 Automotive Choke Cable



MAPES IGS WIRE

A premium grade piano wire manufactured in the USA drawn to international standards from the world's finest steel exceptional tensile strength and resistance to elongation. Available in sizes 12-22 in 1 Lb. & 5 Lb. Coils.

Wire Canisters

The most economical and practical way to store piano wire. Our two-piece canisters hold any standard 1 lb. coil (also 1/2 lb.).

No. 166 - Wire Canister. Each



Dispensing Brakes

Replacement brake for Schaff 1/3 Lb. dispensing reels, with thumb screw & wing nut.

No. 168 - Brake Only. Each



TUNING PINS



NIPPON DENRO TUNING PINS

Manufactured in Japan

We carry a large inventory of Tuning Pins at all times, in both blued and nickel plated with blued threads. All Denro Pins have cut threads. Sold by the dozen or sets of 250.

Stock Numbers

Size	Diameter	Blued	Nickel Plated
1/0 x 2"		1/0 x 2"B	1/0 x 2"N
1/0 x 2-3/8"	.276	1/0 x 2-3/8"B	1/0 x 2-3/8"N
1/0 x 2-1/2"		1/0 x 2-1/2"B	1/0 x 2-1/2"N
2/0 x 2-1/4"		2/0 x 2-1/4"B	2/0 x 2-1/4"N
2/0 x 2-3/8"	.282	2/0 x 2-3/8"B	2/0 x 2-3/8"N
2/0 x 2-1/2"		2/0 x 2-1/2"B	2/0 x 2-1/2"N
3/0 x 2-1/4"		3/0 x 2-1/4"B	3/0 x 2-1/4"N
3/0 x 2-3/8"	.286	3/0 x 2-3/8"B	3/0 x 2-3/8"N
3/0 x 2-1/2"		3/0 x 2-1/2"B	3/0 x 2-1/2"N
4/0 x 2-1/4"		4/0 x 2-1/4"B	4/0 x 2-1/4"N
4/0 x 2-3/8"	.291	4/0 x 2-3/8"B	4/0 x 2-3/8"N
4/0 x 2-1/2"		4/0 x 2-1/2"B	4/0 x 2-1/2"N
5/0 x 2-1/4"		5/0 x 2-1/4"B	5/0 x 2-1/4"N
5/0 x 2-3/8"	.296	5/0 x 2-3/8"B	5/0 x 2-3/8"N
5/0 x 2-1/2"		5/0 x 2-1/2"B	5/0 x 2-1/2"N
6/0 x 2-1/4"		6/0 x 2-1/4"B	6/0 x 2-1/4"N
6/0 x 2-3/8"	.301	6/0 x 2-3/8"B	6/0 x 2-3/8"N
6/0 x 2-1/2"		6/0 x 2-1/2"B	6/0 x 2-1/2"N
7/0 x 2-1/4"		7/0 x 2-1/4"B	7/0 x 2-1/4"N
7/0 x 2-3/8"	.307	7/0 x 2-3/8"B	7/0 x 2-3/8"N
7/0 x 2-1/2"		7/0 x 2-1/2"B	7/0 x 2-1/2"N



HARPSICHORD AND ZITHER TUNING PINS

Bright Steel finish. .198 x 1-5/8"

No. 343 - Nickel Plated Zither Pins. Per 100

No. 343B - Blued Zither Pins. Per 100



NU-BLUE TUNING PIN BLUE

A quick-drying preparation to restore original color to tuning pins and prevent rusting.

No. 348-4 - 4 oz. Each

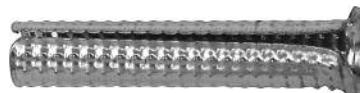
No. 348-8 - 8 oz. Each



THINNER

For thinning tuning pin blue.

No. 348-1/2 - Thinner. 4 oz. jar. Each



METAL TUNING PIN BUSHINGS

Easy to install. Solves the problem of loose tuning pins. Push bushings into the hole up to the shoulder, and then drive tuning pin in. The outer surface of the bushing is embossed to insure firm hold on pin block. One bushing is equal to two sizes larger tuning pin.

No. 346E - Metal Tuning Pin Bushings. Each



TUNING PIN BUSHINGS

Hardwood; 7/16" diameter, 1/4" center hole.

No. 346A - 1/4" high. Per 100 or 250

No. 346B - 5/16" high. Per 100 or 250

No. 346C - 3/8" high. Per 100 or 250

TUNING PIN BUSHINGS FOR MODERN PIANOS

Hardwood; 13/32" diameter, 7/32" center hole. (not shown)

No. 345A - 1/4" high. Per 100 or 250

No. 345B - 5/16" high. Per 100 or 250

No. 345C - 7/16" high. Per 100 or 250

Note: Many pianos manufactured since the mid-60's have used Tuning Pin Bushings with a smaller diameter.

PIN BLOCK MATERIAL

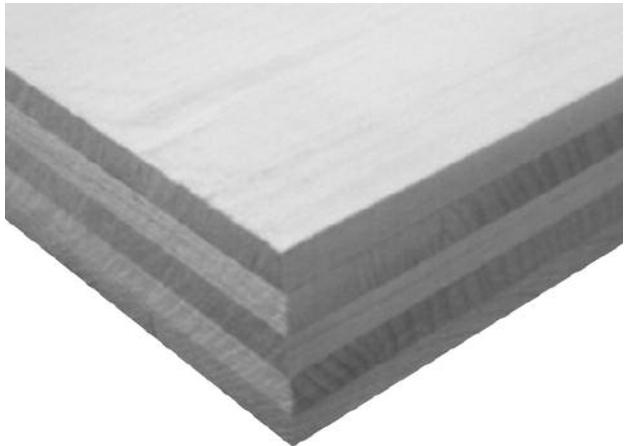
5-PLY QUARTERSAWN MAPLE PIN BLOCKS

Constructed utilizing 5 layers of true quartersawn Michigan hard maple. Attention to humidity levels before milling, as well as the advanced resins used for pressing, combine to make these pinblocks very resistant to temperature and humidity changes. Many field reports from trusted technicians and rebuilders have suggested that these blocks are extremely resilient, as well as easy to tune. Handcrafted in Michigan by CM Piano.

Stock Numbers

Thickness	Single Planks 11"W x 59"L	Double Planks 22"W x 59"L
1-3/8"	QM5-AS	QM5-A
1-1/2"	QM5-BS	QM5-B

*Other custom thicknesses can be special ordered.



Delignit®

MULTI-LAMINATED BEECH PIANO PIN BLOCK MATERIAL

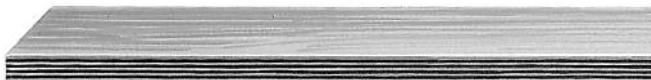
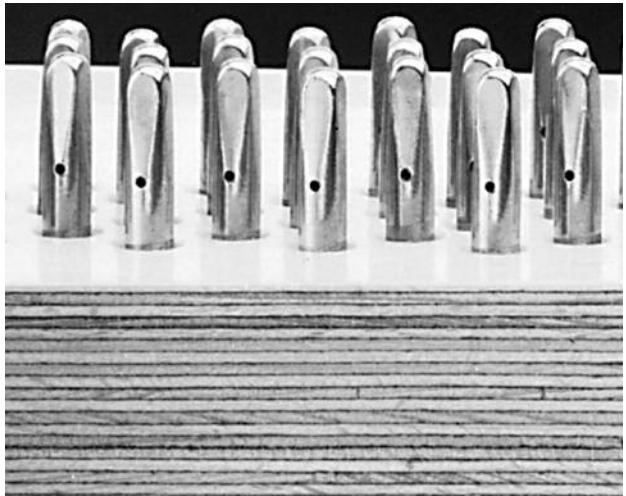
(Imported from Germany.)

The picture to the right is of a typical 1-3/8" DELIGNIT® pin block showing that there are approximately 21 cross laminated plies of high quality beech veneers that are compressed together with a modified hot curing phenolic resin applied in a special dry-bonding process. These blocks are used by piano manufacturers throughout the world.

Single and double blocks can be shipped UPS, full panels must ship via truck.

Stock Numbers

Thickness	Single Planks 9-1/4"W x 59)L	Double Planks 18-1/2"W x 59)L	Full Panel 47-1/4"W x 59)L
1-3/8"	493	494	495
1-1/2"	496	497	498



MAPLE PIN BLOCK MATERIAL

Laminated from Northern Rock Maple. Outstanding quality and uniformity.

Stock Numbers

Thickness	Single Planks 11"W x 59)L	Double Planks 22"W x 59)L
1-1/4"	563	563D
1-3/8"	562	562D
1-1/2"	564	564D



PIN BLOCK DUPLICATION

We also rough cut planks to your specific needs. Submit old plank for sample. Tuning pin holes CANNOT be drilled in new planks as this operation MUST be done after plank is fitted behind plate. Specify Delignit® or Maple material.



BASS BRIDGE DUPLICATION

Made to order; pinned and ready to install in piano. Send the old bridge to us and we will duplicate it.

BRIDGE PINS AND REPAIR ITEMS

For...Bridges...Pin Planks...Sounding Boards



BRIDGE PINS

Coppered, with one end pointed, other end round, 1" long

- No. 551-6** (Dia .076) Per 100
- No. 551-7** (Dia .086) Per 100
- No. 551-8** (Dia .096) Per 100
- No. 551-9** (Dia .109) Per 100
- No. 551-10** (Dia .135) Per 100

Nickel Plated, with one end pointed, other end round, 1" long

- No. 55IN-6** (Dia .076) Per 100
- No. 55IN-7** (Dia .086) Per 100
- No. 55IN-8** (Dia .096) Per 100
- No. 55IN-9** (Dia .109) Per 100
- No. 55IN-10** (Dia .135) Per 100

Coppered with round ends, 3/4" long

- No. 543-6** (Dia .076) Per 100
- No. 543-7** (Dia .086) Per 100
- No. 543-8** (Dia .096) Per 100
- No. 543-9** (Dia .109) Per 100

LUNSFORD'S INSTANT PIN-TITE

Tightens in MINUTES, restores pin block permanently, preserves and protects wood, remains dry, tune within hour - 20 minutes in many cases, and also tightens instantly many action parts, cases, benches, and stripped screw holes. 8 oz Bottle.

No. 1347 - Each



GARFIELD PIN BLOCK RESTORER

This success of GARFIELD PIN BLOCK RESTORER has brought about many imitations. There is only one original and genuine GARFIELD Restorer - made by a formula developed by Wm. M. Garfield after 40 years experience as a tuner and technician. For your own protection, insist upon it.

GARFIELD'S PIN BLOCK RESTORER has these important features: It comes in liquid form...easy to apply with a syringe or eye dropper. It penetrates into the cells of the wood to restore its holding power. It contains no oil...will not evaporate. Its effectiveness improves with age...in one week the pins are tight enough to permit tuning. It prevents rust...will not affect glue. 4 oz bottle. Must be diluted with an equal amount of Denatured Alcohol.

No. 1346 - Each



SPRUCE SHIMS

For filling cracks in piano sound board. Fine quality spruce. 30" long.

- No. 943** - 3/16" approximate width at top. Each
- No. 943A** - 1/8" approximate width at top. Each



SOUNDBOARD SHIMMING TOOL

The wedge shaped cutting tool is made of high grade tool steel that is chrome plated. With a 4-1/2" wood handle and an overall length of 8-1/2", this shimming tool is used for opening cracks in the soundboard to prepare for gluing wooden shims.

No. 102 - Soundboard Shimming Tool. Each



SHIMMING CHISEL

This tool opens up a perfect "V" joint of proper depth, trims the wooden shim after it is glued and scrapes it smooth. Made from high quality tool steel that is lacquered. Blade is 1" wide and overall tool length is 9-1/2".

No. 187 - Shimming Chisel. Each



SOUND BOARD BUTTONS

Made of maple. 1" diameter.

No. 354 - Each

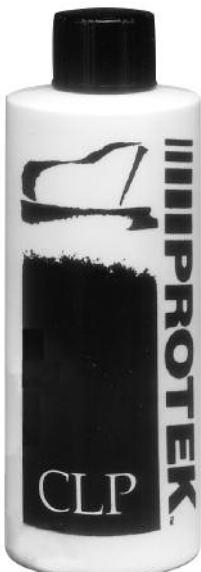
No. F108 - Flat Head 10 x 1 Screws. Per 100

CENTER PIN PRODUCTS AND KEY ACCESSORIES

PROTEK CLP (CLEANER, LUBRICANT, PROTECTANT)

PROTEK CLP is made from space-age polymers. Protek removes verdigris and protects against future build-up by coating the center pin and sealing the felt from moisture thus preventing oxidation. Unlike silicone, protek will not run, dry out or become ineffective. Since Protek will not harm wood, plastic, metal or the piano finish, it is excellent for damper guide rail bushings, underlever lubrication, front and balance rail pins, capstan screws and squeaky knuckles.

No. 1406 - Protek CLP, 4 oz bottle. Each
No. 1407 - Protek CLP, Quart bottle. Each
No. 1407-128 - Protek CLP, Gallon. Each



CENTER PIN LUBRICANT

Relieves sticky actions. Loosens rust on contact point of strings and bearing bars.

No. 524A - 4 oz. Bottle. Each
No. 524B - 16 oz. Bottle. Each
No. 524C - 32 oz. Bottle. Each

CENTER PINS

Nickel silver. 3/4 Long, pointed on one end. Available in the following sizes. Sold in 2 oz. packages.

Stock Number	Size	Diameter	Approx. Pieces Per Pkg.
347-18	18	.046"	341
347-18-1/2	18-1/2	.047"	328
347-19	19	.048"	312
347-19-1/2	19-1/2	.049"	302
347-20	20	.050"	290
347-20-1/2	20-1/2	.051"	275
347-21	21	.052"	267
347-21-1/2	21-1/2	.053"	256
347-22	22	.054"	251
347-22-1/2	22-1/2	.055"	237
347-23	23	.056"	228
347-23-1/2	23-1/2	.057"	223
347-24	24	.059"	209
347-24-1/2	24-1/2	.062"	195
347-25	25	.063"	183



PTFE BUSHINGS

As used in Steinway Actions.

No. 516S - Small. Each
No. 516L - Large. Each



STEINWAY CENTER PINS

3/8" long. Available in sizes 19 to 20. (not shown)

No. 369 - Per 100 (State size)

7/16" long. Available in sizes 19 to 20-1/2. (not shown)

No. 370 - Per 100 (State size)



KEY TENSIONER

A NEW concept in the Piano keyboard - providing adjustable touch. By replacing one-piece factory balance pins, individual key tensioners control key bounce and eliminate sluggishness and stickiness - quiet annoying key rattle - aid in controlling piano action through atmospheric changes. Adjustable from nil to maximum. KEY TENSIONER also aids in finger development.

No. 515 - Each

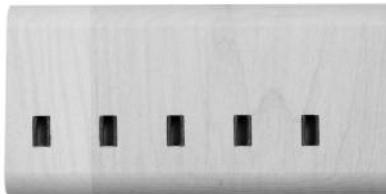
KEY ACCESSORIES

KEY BUTTONS



DOMESTIC KEY BUTTONS

Basswood. 2-1/4" wide. Center mortises.
No. 520A - Bushed for .146" pin. Each



IMPORTED KEY BUTTONS

These are the finest basswood key buttons available. 2-3/8" wide. Offset mortises. German made.
No. 520C - Bushed for .146" pin. Each

KEY LEADS



JIFFY KEY LEADS

Improves balance of piano keys. Comes with screws.
No. 353-4 - Each

ROUND KEY LEADS

Tapered. Sold by the pound or by each.

No. 353-0 - 5/8" face.



No. 353-1 - 1/2" face.



No. 353-2 - 7/16" face.



No. 353-3 - 3/8" face.



ALUMINUM KEY BUSHING WEDGES

Durable, accurate. Available in 3 sizes, 1-1/4" Long.
No. 379 - .147" Wedge. Each
No. 380 - .162" Wedge. Each
No. 381 - .138" Wedge. Each



KEY BUSHING INSERT

A new molded bushing insert for fast, easy, and permanent replacement of worn bushings. Set of 90
No. 521 - Small Center. Each
No. 521A - Large Front. Each

KEY PINS



BALANCE RAIL PINS

Round, nickel plated steel.
No. 351A - .146" x 2-1/4" Long. Each
No. 351B - .146" x 2-5/8" Long. Each
No. 351D - .160" x 2-1/4" Long. Each
No. 351E - .160" x 2-5/8" Long. Each



FRONT RAIL PINS

Oval, nickel plated steel.
No. 352 - 1-7/16" Long. Each
No. 352A - 1-9/16" Long. Each



DESK PINS

Round, nickel plated steel.
No. 351-1/2-1 - .146" x 1" Long. Each
No. 351-1/2-1-1/4 - .146" x 1-1/4" Long. Each
No. 351-1/2-1-1/2 - .146" x 1-1/2" Long. Each
No. 351-1/2-2 - .146" x 2" Long. Each

KEYBOARD MATERIAL AND RECOVERING

GERMAN KEYTOPS

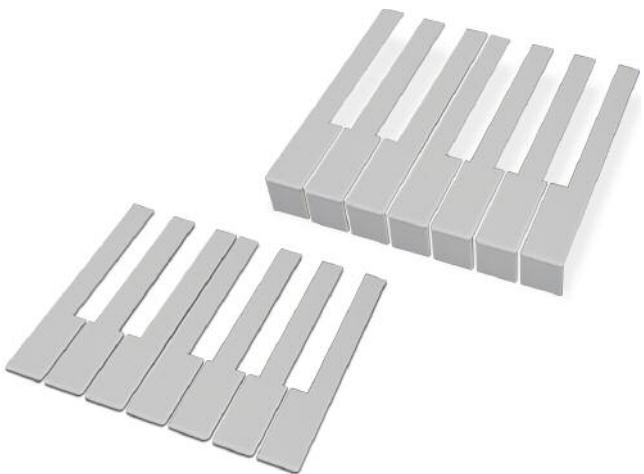
Easily fitted to most keyboards – can be filed for finishing to exact size. Extra thickness makes it possible to cover all imperfections in old keys. Molded from acrylic plastic which is hard, scratch resistant and durable. Available in white or light cream color. 52 individual pieces in boxed set. Two head lengths available: 50mm (standard) = 1.97" and 52mm (long) = 2.05". Set of 52 per box.

KEYTOPS WITH FRONTS

- No. 1496** - 50 mm head .080" thick light cream
- No. 1496W** - 50 mm head .080" thick white
- No. 1497** - 52 mm head .090" thick light cream
- No. 1497W** - 52 mm head .090" thick white

KEYTOPS WITHOUT FRONTS

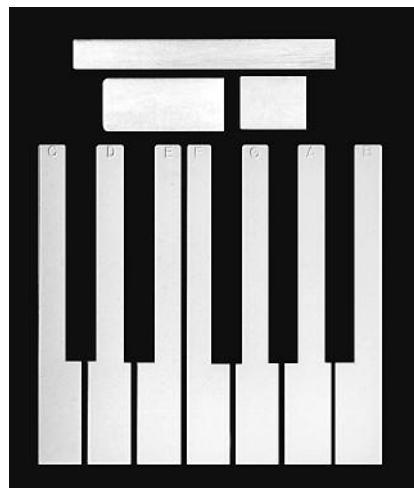
- No. 1491** - 50 mm head .080" thick light cream
- No. 1491W** - 50 mm head .080" thick white
- No. 1492** - 52 mm head .090" thick light cream
- No. 1492W** - 52 mm head .090" thick white



VAGIAS KEYTOPS

These one piece molded keytops have become very popular over the last few years. The Satin Ivory color has a grained translucent finish and actually simulates the look of real Ivory. Overall length 6".

- No. 1320** - Keytop. Gloss White. 2" head. Set
- No. 1321** - Keytop. Gloss White. 1-15/16" head. Set
- No. 1322** - Keytop. Satin Ivory. 2" head. Set
- No. 1323** - Keytop. Satin Ivory. 1-15/16" head. Set
- No. 1324** - Head only. Satin Ivory Light Color. 1-15/16" long. Each
- No. 1325** - Head only. Satin Ivory Medium Color. 1-15/16" long. Each
- No. 1326** - Head only. Satin Ivory Light Color. 1-7/8" long. Each
- No. 1327** - Head only. Satin Ivory Medium Color. 1-7/8" long. Each
- No. 1328** - Tail only. Satin Ivory Light Color. Each
- No. 1329** - Tail only. Satin Ivory Medium Color. Each
- No. 1330** - Front only. Satin Ivory Light Color. Each
- No. 1331** - Front only. Satin Ivory Medium Color. Each



WHITE FRONTS

Keyboard fronts - .035 thick.

- No. 382** - 1" Squares. Per Set of 52

PIANO KEY RECOVERING & REPAIRS

Key recovering increases the value of used keyboard instruments and makes them easier to sell. Let our Piano Key Shop recover your keys with Schaff's Plastic Molded Keytops either with or without fronts. We also replace sharps with either plastic or ebony and offer complete rebushing, and key button replacement. (We do not recover waterfall type keys, nor do we replace genuine ivory.)

Keyshop requests your removal of old ivory if you want to retain. When rebushing services are requested, please provide the diameter or a sample of key pin. Also, our shop will recover organ keys.

Before removing keys from the piano, number them between the key button and the capstan. The #1 key is the lowest bass and #88 would be the highest treble. This helps you when the recovered keys are to be reinstalled. Insure each set for \$2,000.00.

Pack the keys well. Use a strong carton or key mailing case (stock #2668 on page 78) and plenty of packing paper. Broken or lost keys are costly to replace and valuable time is lost. Ship via UPS to our key shop.



Our Piano Key Shop is located in Faribault, MN. Sending your keys direct to Faribault will save time - but don't forget to send the order to our Lake Zurich office. The shop will not proceed with recovering until a work order is received from Lake Zurich. Address your keys to: Schaff Piano Key Shop, 2127 16th St. NW, Faribault, MN 55021. Send your order to: Schaff Piano Supply Company, 451 Oakwood Road, Lake Zurich, IL 60047.

KEYBOARD MATERIAL AND ACCESSORIES



WHITE PYRALIN (*Ivorine*) for keyboards

The finest quality pyralin that imitates fine quality, hard ivory. Rich, ungrained finish.

FULL STRIPS - 55" x 6" strips of pyralin; covers 1 set.

No. 1380S - .050" Thick. Per Strip

FULL PIECES - 24" x 6" pieces of pyralin.

No. 1380P - .050" Thick. Per Piece

FULL SHEETS - 55" x 24" sheets of pyralin.

No. 1380 - .050" Thick. Per Sheet

PYRALIN HEAD PIECES - Used to replace ivory heads.

No. 1378 - .050" Thick. Each



PLASTIC SHARPS

(Sold individually or in sets of 36)

Stock #	Length	Height	Finish
384D	3-3/4"	.585"	Dull
384H	3-3/4"	.585"	High Gloss
385D	3-1/2"	.585"	Dull
385H	3-1/2"	.585"	High Gloss
1493	3-3/4"	.555"	Satin
1494	3-3/4"	.595"	Satin



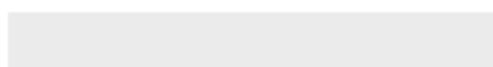
GENUINE EBONY SHARPS

Imported from Germany. 3-3/4" long.

(Sold individually or in sets of 36)

No. 386 - Ebony Sharps. 14mm high (.550")

No. 386A - Ebony Sharps. 15mm high (.595")



USED IVORY

May not always be available.

No. 371 - Used Ivory Heads. Per Dozen

No. 372 - Used Ivory Tails. Per Dozen



PVC-E GLUE

Is an excellent adhesive for key covers, pneumatic and bellows cloth as well as any other cloth, felt or leather material. This glue dries clear and can be thinned up to 5% with water.

No. 387-16 - PVC-E Glue (Pint). Each

No. 387-32 - PVC-E Glue (Quart). Each

No. 387-128 - PVC-E Glue (Gallon). Each



GLUE BRUSHES

Disposable brushes. Ideal for applying adhesives. 1/2" wide.

No. 438 - Per dozen.



IVORY CEMENT WAFERS

This improved, chemically treated wafer is the most rapid method invented for attaching ivories.

No. 402A - Heads. Each

No. 402B - Tails. Each

No. 402C - End Keys 4" x 1". Each



BAR POLISH

For key tops. 2 lb. brick.

No. 425 - Reddish-brown Tripoli for genuine ivory. Each

No. 426 - Nu-White for pyralin or ivorine. Each



BUFFING WHEELS

Fine durable cotton. Use more than one if broader surface desired. 1/2" hole.

No. 452 - Buffing wheel 6" x 50 ply. Each

No. 465 - Buffing wheel 8" x 60 ply. Each

No. 466 - Buffing wheel 10" x 60 ply. Each



POLISHING WHEEL

For ivory or ivorine, pressed white felt, 1" face x 6" diameter, 1/2" hole, 100% wool.

No. 475 - Polishing Wheel. Each

KEY PAINT & ACCESSORIES



IVORY WHITE

Nikolas quality laquer. Brushed over discolored ivory key tops, dries rapidly to smooth, glossy finish.

No. 435 - 2 oz. jar. Each

No. 435A - 8 oz. jar. Each



SHARP BLACK

Nikolas quality laquer. A prepared Nigrosine, jet black. Applied with brush, dries to smooth, hard, glossy finish.

No. 436 - 2 oz. jar. Each

No. 436A - 8 oz. jar. Each



BRUSH FOR USE WITH KEY PAINT

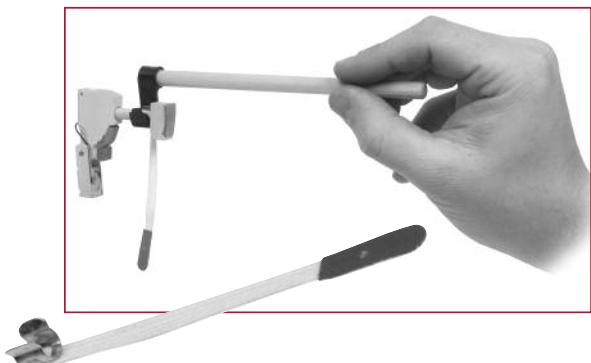
Camel hair, 1/2" wide.

No. 437 - Brush. Each

BRIDLE STRAPS

SCHAFF BRIDLE STRAPS

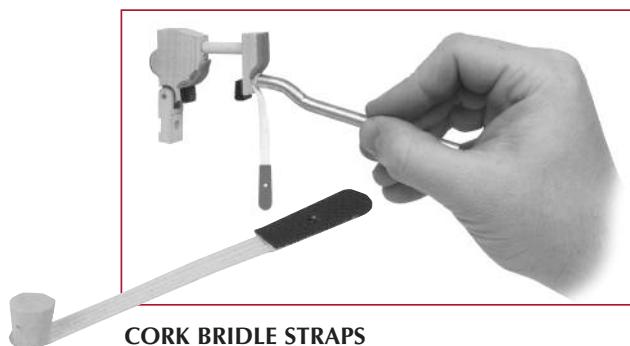
All of our straps are made in our own supervised workrooms. Quality and uniformity are guaranteed. Piano Technicians prefer the fine quality of these bridle straps, available in regulation braid with Fabrilite tips. All are correctly shaped for easy installation, and come packed straight and flat.



SPRING CLIP BRIDLE STRAPS

For butts without backstop holes. Just clip them to the back catch shank with inserter. Made of regulation braid with spring clip and Fabrilite tips.

No. 1500 - Clip Bridle Straps. Per Set



CORK BRIDLE STRAPS

The easiest of all bridle straps to install. Simply push in cork and hook to the bridle wire. Made of regulation braid with Fabrilite tips. Available in three sizes.

No. 6516S - Small Cork. Per Set

No. 6516M - Medium Cork. Per Set

No. 6516L - Large Cork. Per Set



ORIGINAL STANDARD BRIDLE STRAPS

With regulation braid and Fabrilite tips. Perfect for new actions or replacement. Red tips.

No. 1515 - Bridle Straps. Per 90



SPRING CLIP INSERTER

Another ingenious tool only available from Schaff. A molded plastic saddle, at the end of the wood shank, accepts the brass spring clip for easy insertion of the bridle strap on to the hammer butt. 5-3/4" long.

No. 140 - Spring Clip Inserter. Each



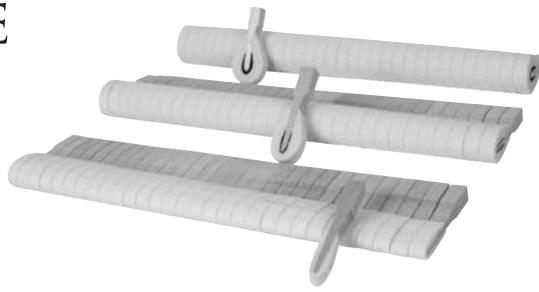
CORK INSERTER

An all aluminum tool used with a combination handle to insert cork bridle straps into the hammer butt catcher hole. 4" long.

No. 141 - Cork Inserter. Each

SCHAFF HAMMER REPLACEMENT & DUPLICATION SERVICE

With six generations of service, Schaff's goal is to provide you with the finest selection of piano hammers available. We are unparalleled in the industry in providing quick and efficient hammer duplication.



We offer two types of hammers that are designed and made exclusively for us.

Abel - "Royal Blue Hammers" - Imported from Germany (shown above)

We have worked closely with Helmut Abel to design a hammer that sounds and performs similar to those made in the early twentieth century. In order to do this we have selected Laoureux top felt due to its ability to produce a rich, clear, and satisfying tone that most people desire. Schaff "Royal Blue Hammers" have blue underfelt, and are available in 15, 17, and 19 lb. weights.

Imadegawa - Imported From Japan

These hammers are firmer than our Abel hammers thus providing a more brilliant tone throughout the piano. Our Imadegawa hammers have magenta underfelt, and are available in 15, 17, and 19 lb. weights.

We offer three ways of ordering piano hammers:

1. CUSTOM HAMMERS - MATCHED TO YOUR SAMPLES - RECOMMENDED

- Carefully remove the **end hammers** from each section and **number** these as they lie in the scale. When sending in your hammer samples, please leave the **shanks attached** to the hammer heads as removing the shank can damage the bore hole and result in inaccurate readings.
- If using a shank other than the original, please specify the diameter. If using new Schaff shanks, specify part number.
- State exactly how many hammers are in each section.
- Indicate Abel "Royal Blue Hammers" or Imadegawa.
- See Page 198 for custom Hammer Duplication Form.

2. UNBORED

- Select the type of hammer by stock number.
- Indicate the number of bass hammers your piano requires.

3. STANDARD BORE/STOCK HAMMERS

- Determine which weight and striking distance you require.
- Standard bore hammers are shelf items and CAN NOT be matched to samples. If you send sample hammers, we will assume you want custom bored hammers. DO NOT USE standard bore stock numbers when sending sample hammers. All stock hammers have 30 bass and approximately 65 tenor/treble hammers.

Square Grand Hammers

Please call for pricing and ordering information.

"BRITE-TONE" HAMMER HEAD SOLIDIFIER

For restoring lost tone to soft hammers. In use, apply a small amount along top and bottom surface of hammer to within 1/2" of striking point. Do not apply on striking surface.

No. 499-8 - 8 oz. Bottle. Each



HAMMER FELT HARDENER

Lacquer free formula. May be applied to the shoulders of the hammer as well as the striking surface. 8 oz. Bottle.

No. 1404 - Hammer Felt Hardener. Each.



ABEL "ROYAL BLUE" GRAND HAMMERS

UNBORED

FULL SETS - BLUE UNDERFELT - MAHOGANY MOLDINGS

(APPROXIMATE OVERALL LENGTH)

Stock#	Weights	Width Bass/Treble	Bass	Treble
A125	15, 17	3/8" (9.5mm) 13/32" (10.5mm)	3.15" (80mm)	2.75" (70mm)
*A125GX-20	17	13/32" (10.5mm) 13/32" (10.5mm)	3.15" (80mm)	2.85" (72mm)
*A125GX-26	17	13/32" (10.5mm) 13/32" (10.5mm)	3.15" (80mm)	2.85" (72mm)
A130	15, 17, 19	13/32" (10.5mm) 13/32" (10.5mm)	3.20" (81mm)	2.87" (73mm)
A135	15, 17, 19	13/32" (10.5mm) 13/32" (10.5mm)	3.23" (82mm)	3.00" (76mm)
A145	15, 17, 19	13/32" (10.5mm) 13/32" (10.5mm)	3.30" (84mm)	3.10" (79mm)
A420	15, 17, 19	13/32" (10.5mm) 13/32" (10.5mm)	3.50" (88mm)	3.15" (80mm)

-Specify weight and # of bass hammers when ordering.

-Styles *A125GX-20 and 26 are designed for Steinways.

-15 lb. hammers are machine pinned.

-17 and 19 lb. hammers are T-pinned.

ABEL STANDARD BORE/STOCK GRAND HAMMERS

-Standard bore hammers are shelf items and CAN NOT be matched to samples

DRILLING SPECIFICATIONS

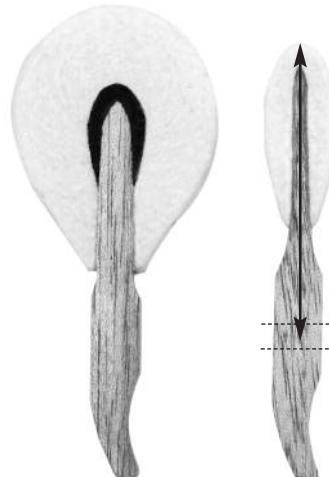
Section	Bass	Tenor/Treble		
# of hammers	30	14	12	39
Bore Angle	12°	9°	6°	0°
Pitch/Rake	0°	0°	0°	0°
Hole Dia.	.204"	.204"	.204"	.204"

-Mahogany Moldings.

-Blue Underfelt.

-Available in 15,17, and 19 lb. felt.

-All stock sets are available in the following striking distances: 1-7/8", 2", and 2-1/8". (This measurement is taken from the center of the bore hole to the top of the felt allowing for wear on #88 treble hammer.)



Complete Sets

902-15GM1-7/8" - 15 lb. Felt Hammers. Per set

902-15GM2" - 15 lb. Felt Hammers. Per set

902-15GM2-1/8" - 15 lb. Felt Hammers. Per set

902-17GM1-7/8" - 17 lb. Felt Hammers. Per set

902-17GM2" - 17 lb. Felt Hammers. Per set

902-17GM2-1/8" - 17 lb. Felt Hammers. Per set

Abel Standard Bore/Stock "Steinway" Grand Hammers

-Mahogany Moldings - Long Blue Underfelt - T-Pinned

-17lb Top Felt - available in 20 and 26 Bass

Section	Bass	Tenor/Treble					Balance
# of hammers	20	8	6	6	4	7	
Bore Angle	5.5°	10.5°	8°	6°	4°	2°	0°
Pitch/Rake	0°	0°	0°	0°	0°	0°	0°
Hole Dia.	.196"	.196"	.196"	.196"	.196"	.196"	.196"

No. 903-20GM - 20 Bass, 1-13/16" striking distance - Per set

Section	Bass	Tenor/Treble					Balance
# of hammers	26	7	6	7	7	7	
Bore Angle	5.5°	9.5	7°	4.5°	2°	0°	0°
Pitch/Rake	0°	0°	0°	0°	0°	0°	0°
Hole Dia.	.196"	.196"	.196"	.196"	.196"	.196"	.196"

No. 903-26GM - 26 Bass, 1-13/16" striking distance - Per set



IMADEGAWA GRAND HAMMERS

UNBORED

FULL SETS - STAPLED - MAGENTA UNDERFELT - HORNBEAM MOLDINGS

(APPROXIMATE OVERALL LENGTH)

Stock#	Weights	Width Bass/Treble	Bass	Treble
GW/125	15, 17	3/8" (9.5mm) 13/32" (10.5mm)	3.15" (80mm)	2.75" (70mm)
*GW/125GX-20	17	13/32" (10.5mm) 13/32" (10.5mm)	3.15" (80mm)	2.85" (72mm)
*GW/125GX-26	17	13/32" (10.5mm) 13/32" (10.5mm)	3.15" (80mm)	2.85" (72mm)
GW/130	15, 17, 19	13/32" (10.5mm) 13/32" (10.5mm)	3.20" (81mm)	2.87" (73mm)
GW/135	15, 17, 19	13/32" (10.5mm) 13/32" (10.5mm)	3.23" (82mm)	3.00" (76mm)
GW/145	15, 17, 19	13/32" (10.5mm) 13/32" (10.5mm)	3.30" (84mm)	3.10" (79mm)
GW/420	15, 17, 19	13/32" (10.5mm) 13/32" (10.5mm)	3.50" (88mm)	3.15" (80mm)

-Specify weight and # of bass hammers when ordering.

-Styles *GW/125GX-20 and 26 have walnut moldings and are designed for Steinways.

IMADEGAWA STANDARD BORE/STOCK GRAND HAMMERS

Standard bore hammers are shelf items and CAN NOT be matched to samples

DRILLING SPECIFICATIONS

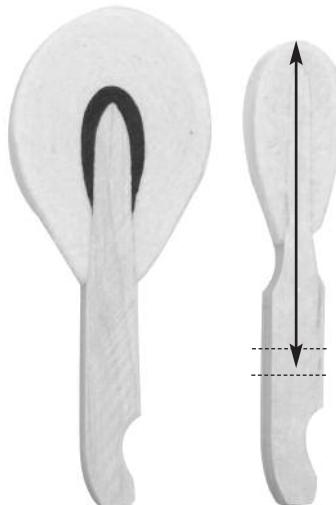
Section	Bass	Tenor/Treble		
# of hammers	30	14	12	39
Bore Angle	12°	9°	6°	0°
Pitch/Rake	0°	0°	0°	0°
Hole Dia.	.204"	.204"	.204"	.204"

-Hornbeam Moldings. Except for Steinway type which are walnut.

-Magenta Underfelt.

-All stock sets are available in the following striking distances:

1-7/8", 2", and 2-1/8". (This measurement is taken from the center of the bore hole to the top of the felt allowing for wear on #88 treble hammer.)



Complete Sets

902-15J1-7/8" - 15 lb. Felt Hammers. Per set

902-15J2" - 15 lb. Felt Hammers. Per set

902-15J2-1/8" - 15 lb. Felt Hammers. Per set

902-17J1-7/8" - 17 lb. Felt Hammers. Per set

902-17J2" - 17 lb. Felt Hammers. Per set

902-17J2-1/8" - 17 lb. Felt Hammers. Per set

Imadegawa Standard Bore/Stock "Steinway" Grand Hammers

-Walnut Moldings - Long Magenta Underfelt - 17lb Top Felt

-Available in 20 and 26 Bass

Section	Bass	Tenor/Treble				Balance
# of hammers	20	8	6	6	4	7
Bore Angle	5.5°	10.5°	8°	6°	4°	2°
Pitch/Rake	0°	0°	0°	0°	0°	0°
Hole Dia.	.196"	.196"	.196"	.196"	.196"	.196"

No. 903-20J - 20 Bass, 1-13/16" striking distance - Per set

Section	Bass	Tenor/Treble				Balance
# of hammers	26	7	6	7	7	7
Bore Angle	5.5°	9.5°	7°	4.5°	2°	0°
Pitch/Rake	0°	0°	0°	0°	0°	0°
Hole Dia.	.196"	.196"	.196"	.196"	.196"	.196"

No. 903-26J - 26 Bass, 1-13/16" striking distance - Per set

UPRIGHT HAMMERS

UNBORED

ABEL "ROYAL BLUE" UPRIGHT HAMMERS - FULL SETS - BLUE UNDERFELT - HORNBEAM OR MAHOGANY MOLDINGS

Stock#	Weights	Width Bass/Treble	(APPROXIMATE OVERALL LENGTH)	
			Bass	Treble
A10 -	15	3/8" (9.5mm) 13/32" (10.5mm)	2.52" (64mm)	2.85" (72mm)
A37 -	15, 17	13/32" (10.5mm) 13/32" (10.5mm)	2.52" (64mm)	2.85" (72mm)
A3715 -	15, 17	13/32" (10.5mm) 13/32" (10.5mm)	2.65" (67mm)	2.95" (75mm)

-Please specify weight of felt and number of bass hammers when ordering.

-If mahogany moldings are desired add a "M" at the end of the stock#.

(Example: A37-15M)

IMADEGAWA UPRIGHT HAMMERS - FULL SETS - MAGENTA UNDERFELT - HORNBEAM MOLDINGS

Stock#	Weights	Width Bass/Treble	(APPROXIMATE OVERALL LENGTH)	
			Bass	Treble
HM10 -	15	3/8" (9.5mm) 13/32" (10.5mm)	2.52" (64mm)	2.85" (72mm)
HM37 -	15, 17	13/32" (10.5mm) 13/32" (10.5mm)	2.52" (64mm)	2.85" (72mm)
HM3715 -	15, 17	13/32" (10.5mm) 13/32" (10.5mm)	2.65" (67mm)	2.95" (75mm)

-Please specify weight of felt and number of bass hammers when ordering.

STANDARD BORE/STOCK UPRIGHT HAMMERS

DRILLING SPECIFICATIONS

Section	Bass	Tenor/Treble		
# of hammers	30	14	14	36
Bore Angle	14°	12°	6°	0°
Pitch/Rake	1°	1°	1°	1
Hole Dia.	7/32"	7/32"	7/32"	7/32"

-Hornbeam Moldings

-All upright hammers in 15 and 17 lb. are available in a 13/32" wide molding. 15 lb. uprights are also available with a 3/8" narrow bass molding.
-All stock sets are available in the following striking distances: 2-3/8", 2-7/16" and 2-1/2" (This measurement is taken from the center of the bore hole to the top of the felt allowing for wear on # 88 treble hammer).



ABEL

IMADEGAWA

Abel-Standard bore/stock Upright Hammers

501-15GM2-3/8" - 15 lb. Felt Hammer. Per Set
501-15GM2-7/16" - 15 lb. Felt Hammer. Per Set
501-15GM2-1/2" - 15 lb. Felt Hammer. Per Set
501-17GM2-3/8" - 17 lb. Felt Hammer. Per Set
501-17GM2-7/16" - 17 lb. Felt Hammer. Per Set
501-17GM2-1/2" - 17 lb. Felt Hammer. Per Set

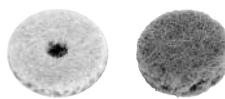
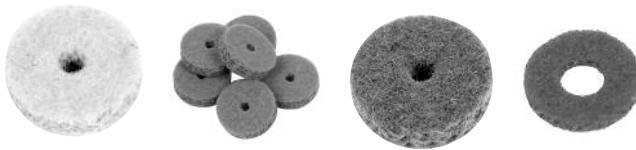
Imadegawa-Standard bore/stock Upright Hammers

501-15J2-3/8" - 15 lb. Felt Hammer. Per Set
501-15J2-7/16" - 15 lb. Felt Hammer. Per Set
501-15J2-1/2" - 15 lb. Felt Hammer. Per Set
501-17J2-3/8" - 17 lb. Felt Hammer. Per Set
501-17J2-7/16" - 17 lb. Felt Hammer. Per Set
501-17J2-1/2" - 17 lb. Felt Hammer. Per Set

CLOTH & FELT PUNCHINGS



HAINSWORTH



FRONT RAIL PUNCHINGS

White Cloth - Extra Quality (per 100)

For use on finer pianos		Approx.
Description	Diameter	Thickness
No. 331 - Thick	3/4"	.215"
No. 331A - Thick	7/8"	.215"

Kelly Green Cloth - Extra Quality (per 100)

For use on finer pianos		Approx.
Description	Diameter	Thickness
No. 335A - Thick	3/4"	.215"
No. 335 - Thick	7/8"	.215"

Dark Green Cloth - Excellent Quality (per 100)

No. 336A - Thick	3/4"	.235"
No. 336B - Medium Thick	3/4"	.215"
No. 336C - Medium	3/4"	.185"
No. 336D - Medium Thin	3/4"	.165"
No. 336E - Thin	3/4"	.145"
No. 337A - Thick	7/8"	.235"
No. 337C - Medium	7/8"	.185"
No. 337E - Thin	7/8"	.145"

PLATE OR HITCH PIN PUNCHINGS

Scarlet Cloth (per 100)

No. 330G - Standard	3/8"	.050"
No. 330H - Oversize	1/2"	.050"

BALANCE OR CENTER RAIL PUNCHINGS

White Cloth - Extra Quality (per 100)

	Description	Diameter	Thickness
No. 332A -	Thick	15/32"	.115"
No. 332B -	Medium Thick	15/32"	.095"
No. 332C -	Medium	15/32"	.080"
No. 332D -	Medium Thin	15/32"	.065"
No. 332E -	Thin	15/32"	.050"

Scarlet Bushing Cloth - Extra quality (per 100)

No. 332F -	Standard	15/32"	.050"
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REGULATING PUNCHINGS

Used on upright and grand actions (per 100)

No. 330A -	Med. Green Cloth (uprights)	3/8"	.130"
No. 330D -	Thick Red Felt (grands)	3/8"	.250"
No. 330I -	White let off punchings (For Steinway Grands)	7/16"	.090"
No. 330J -	Med. Green or Brown Cloth (grands)	5/16"	.125"
No. 330K -	Med. Green or Brown Cloth (grands)	7/16"	.125"
No. 330L -	Thick Red Felt (grands)	7/16"	.250"

SPRING PUNCHINGS

Used in grooves of butts and damper levers, and under jack springs on old uprights (per 100)

No. 330E -	White Cloth (uprights)	3/8"	.055"
No. 330F -	Green Cloth (jack spring)	3/8"	.030"

PAPER/CARDBOARD PUNCHINGS

Front Rail Punchings - 7/8" diameter (per 1000)

	Description	Color	Thickness
No. 338-003 -	Thinnest Paper	White	.003"
No. 338-005 -	Thin Paper	Green	.005"
No. 338-007 -	Medium Paper	Pink	.007"
No. 338-010 -	Thick Paper	Blue	.010"
No. 338-012 -	Thickest Paper	Manila	.012"
No. 339-015 -	Thin Cardboard	Grey	.015"
No. 339-020 -	Medium Thin Cardboard	Grey	.020"
No. 339-025 -	Medium Cardboard	Grey	.025"
No. 339-030 -	Medium Cardboard	Grey	.030"
No. 339-045 -	Thick Cardboard	Grey	.045"
No. 339-050 -	Thick Cardboard	Grey	.050"
No. 339-060 -	Extra Thick Cardboard	Grey	.060"

Balance rail punchings - 1/2" diameter (per 1000)

	Description	Color	Thickness
No. 333-001 -	Tissue Paper	White	.001"
No. 333-002 -	Tissue Paper	Tan	.002"
No. 333-003 -	Thinnest Paper	White	.003"
No. 333-005 -	Thin Paper	Green	.005"
No. 333-007 -	Medium Paper	Pink	.007"
No. 333-010 -	Thick Paper	Blue	.010"
No. 333-012 -	Thickest Paper	Manila	.012"
No. 334-015 -	Thin Cardboard	Grey	.015"
No. 334-020 -	Medium Thin Cardboard	Grey	.020"
No. 334-025 -	Medium Cardboard	Grey	.025"
No. 334-030 -	Medium Cardboard	Grey	.030"
No. 334-045 -	Thick Cardboard	Grey	.045"

Paper Punching Assortments - 1,000 pieces of each thickness

No. 338A -	Front Rail Assortment
No. 333A -	Balance Rail Assortment

WOVEN CLOTH



HAINSWORTH

(100% wool)

Schaff Piano Supply Co. exclusively stocks and distributes A.W. Hainsworth and Sons Piano Cloth, known throughout the world as makers of fine English cloth. The majority of the elite piano manufacturers insist on Hainsworth Piano Cloth due to its superior quality and uniformity. We trust you will too.

All thickness are approximate and are measured with a Randall and Stickney gauge with a 1-1/8" diameter foot under a 10 oz. dead weight.



EXTRA QUALITY KEY BUSHING CLOTH

Scarlet with white center, tightly woven, and long wearing. Finest bushing cloth available. 3/8" wide x 54" long strips or continuous rolls of 12 strips.

No. 321A -	Thin	.043"	Thick	Per strip
No. 321B -	Medium	.054"	Thick	Per strip
No. 321C -	Thick	.067"	Thick	Per strip

By the lineal yard - 1/4 yard minimum

No. 321A-BULK -	Thin	.043"	Thick	Per yard
No. 321B-BULK -	Medium	.054"	Thick	Per yard
No. 321C-BULK -	Thick	.067"	Thick	Per yard



UNDER STRING CLOTH

Scarlet. For use when re-stringing pianos. Fits between the plate and the strings. .054" thick.

No. 302R -	3"	wide x 18"	long. Per strip
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By the lineal yard - 1/4 yard minimum

No. 302R-BULK -	3"	wide x 18"	long. Per yard
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EXTRA WIDE KEY OR BACKRAIL CLOTH

Finest quality dark green cloth. For use on many Grands including Steinways. .235" Thick.

No. 324 -	2-3/4"	wide x 52"	long. Per strip
No. 325 -	2"	wide x 52"	long. Per strip



FLANGE BUSHING CLOTH

Extra fine quality scarlet bushing cloth with white center. Strips are 17/64" x 18". Rolls of 12 strips with pointed ends are notched for tearing. Torn edges join best in the bushing hole. .050" thick.

No. 320X -	Rolls of 12 strips. Each
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By the lineal yard - 1/4 yard minimum

No. 314-1/2XBULK -	By the lineal yard.
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KEY OR BACKRAIL CLOTH

Finest quality dark green cloth. 1-1/2" wide x 52" long strips or continuous rolls of 12 strips.

No. 322A -	Thick	.235"	Thick	Per strip
No. 322B -	Medium Thick	.215"	Thick	Per strip
No. 322C -	Medium	.185"	Thick	Per strip
No. 322D -	Medium Thin	.165"	Thick	Per strip
No. 322E -	Thin	.145"	Thick	Per strip

In Bulk Sheets: 7-1/2" wide x 52" long

No. 2321A -	Thick	.235"	Thick	Per sheet
No. 2321B -	Medium Thick	.215"	Thick	Per sheet
No. 2321C -	Medium	.185"	Thick	Per sheet
No. 2321D -	Medium Thin	.165"	Thick	Per sheet
No. 2321E -	Thin	.145"	Thick	Per sheet



STEINWAY STYLE STRINGING CLOTH

Scarlet. medium thickness. 52" long strips or continuous rolls of 12 strips.

No. 2330R -	1" Wide. Per strip
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No. 2331R -	2" Wide. Per strip
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WOVEN CLOTH, LEATHER & BRAID



HAMMER RAIL CLOTH

Dark green. Standard thickness. Individual strips 54" long or continuous rolls of 12 strips.

No. 323A -	5/8" wide for grands	Per strip
No. 323B -	1" wide for spinets	Per strip
No. 323C -	1-1/4" wide for uprights	Per strip

In Bulk Sheets: 7-1/2" wide x 54" long

No. 2323C -	Hammer Rail Cloth	Per sheet
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BACKCHECK CLOTH

Dark green dense cloth. Strips are 1" wide x 36" long. One strip is enough for a set of upright backchecks.

No. 310 -	Without cuts. Per strip
No. 310X -	With cuts. Per strip



ACTION CLOTH

Individual strips 52" long or continuous rolls of 6 strips. Used on the bottom of stickers, damper levers, and whippens. Per strip

No. 316G -	Thick green cloth	1" Wide	.130" Thick
No. 316W -	Thick white cloth	1" Wide	.130" Thick
No. 317G -	Medium green cloth	1" Wide	.110" Thick
No. 317W -	Medium white cloth	1" Wide	.110" Thick
No. 317-1/2G -	Thin green cloth	1" Wide	.070" Thick
No. 317-1/2W -	Thin white cloth	1" Wide	.070" Thick

No. 316-1/2G -	Medium green cloth	3/8" Wide	.110" Thick
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In Bulk Sheets: 7-1/2" wide x 52" long. Per sheet

No. 2316G -	Thick green cloth	.130"	Thick
No. 2316W -	Thick white cloth	.130"	Thick
No. 2317G -	Medium green cloth	.110"	Thick
No. 2317W -	Medium white cloth	.110"	Thick
No. 2317-1/2G -	Thin green cloth	.070"	Thick
No. 2317-1/2W -	Thin white cloth	.070"	Thick

CLOTH/FELT REMNANTS

Odds and End pieces of random felt and cloth. All new clean material. End cuts from stripped rolls and odd length pieces. (not shown)

No. 2370 -	Felt / Cloth Remnants.	1 lb. package.
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LEATHER/SYNTHETIC LEATHER



ACTION LEATHER - STANDARD QUALITY

For Butts, Backchecks and Catchers. 1 set totals 36".

No. 329A -	Upright Catcher Leather	11/16" Wide	Per set
No. 329B -	Upright Butt Leather	3/8" Wide	Per set
No. 329C -	Grand Butt Leather	7/16" Wide	Per set
No. 329D -	Grand Backcheck Leather	1-5/8" Wide	Per set
No. 329E -	Grand Backcheck Leather	2" Wide	Per set

By the Square Foot - Minimum order is 1 skin.

No. 329-BULK -	Action Leather.	Per sq ft
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ECSAINE SYNTHETIC BUCKSKIN

Known for its consistency and durability by many leading manufacturers. .073" Thick. Excellent material for recovering backchecks. (not shown)

No. 2400A -	3/8" wide x 1 meter long.	Per set
No. 2400B -	3/16" side x 1 meter long.	Per set

By the lineal yard, 23" wide, 1/4 yard minimum.

No. 2400-BULK -	Per lineal yard
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MUSIC DESK SUEDE

Similar material found on Asian pianos. (not shown)

No. 2450A -	1-3/4" wide x 40" long.	Per strip
No. 2450B -	3" wide x 40" long.	Per strip

In bulk sheets, 7-1/2" wide x 40" long

No. 2450E -	Music Desk Suede.	Per sheet
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LEATHER REMNANTS

Small pieces of scrap leather. (not shown)

No. 330 -	Scrap Leather.	Per lb.
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BRAID

COTTON STRINGING BRAID

Extra quality scarlet stringing braid. Available in 36 yard rolls.

No. 327 -	5/8" wide.	Per Roll
No. 328 -	3/4" wide.	Per Roll



GRAND RIM BRAID

3/8" diameter decorator cord used between the plate and the rim of the piano.

No. 2340G -	Gold.	Per Yard
No. 2340R -	Red.	Per Yard

PRESSED FELT



SELF ADHESIVE NAMEBOARD FELT

Simply peel off paper backing and apply...no messy glueing... no waiting for glue to dry...makes a neat job every time. 5/8" wide x 52" long strips or in continuous rolls of 12 strips.

No. 304R - Scarlet Per strip

No. 304M - Maroon Per strip

No. 304B - Brown Per strip

No. 304BK - Black Per strip



HAMMER BUTT FELT

Scarlet butt felt. 5/16" wide x 52" long strips or in continuous rolls of 6 strips.

No. 308 - Medium Butt Felt .157" Thick Per strip

No. 309 - Thick Butt Felt .197" Thick Per strip

In Bulk Sheets: 7-1/2" wide x 52" long.

No. 2308 - Medium Butt Felt .157" Thick Per sheet

No. 2309 - Thick Butt Felt .197" Thick Per sheet

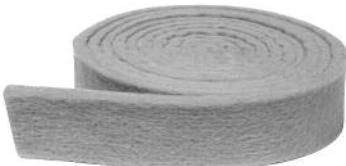


HAMMER BUTT FELT SQUARES

Scarlet butt felt. 5/16" x 3/8"

No. 307-1/2R - Thin Butt Felt .118" Thick Per 100

No. 308-1/2R - Medium Butt Felt .157" Thick Per 100



SPRING RAIL FELT

13/16" wide x 52" long strips or continuous rolls of 12 strips.

No. 311R - Medium scarlet. Per strip

No. 311G - Medium green. Per strip

STRING COVER FELT FOR GRAND PIANOS

Keeps dust and dampness off soundboard. Fine quality (70% wool and 30% rayon). 72" wide. Cut and fit over the strings on the inside of grand pianos. 1/4 yard minimum. (not shown)

No. 29BR - Brown Per yard

No. 29M - Maroon Per yard

No. 29BK - Black Per yard

No. 29R - Scarlet Per yard



NAMEBOARD FELT

5/8" wide x 52" long strips or in continuous rolls of 12 strips.

No. 312-1/2R - Medium scarlet Per strip

No. 312-1/2M - Medium maroon Per strip

No. 312-1/2B - Medium brown Per strip

No. 312-1/2BK - Medium black Per strip

No. 313R - Thick scarlet Per strip

No. 313M - Thick maroon Per strip

In Bulk Sheets: 7-1/2" wide x 52" long.

No. 2312-1/2R - Medium scarlet Per sheet

No. 2312-1/2M - Medium maroon Per sheet

No. 2312-1/2B - Medium brown Per sheet

No. 2312-1/2BK - Medium black Per sheet

No. 2313R - Thick scarlet Per sheet

No. 2313M - Thick maroon Per sheet

MUFFLER FELT - TAPERED THICKNESS

Extra quality white pressed felt. 100% wool. (not shown)

No. 300 - 2" wide x 54" long. Per strip

MUFFLER FELT - EVEN THICKNESS

Pressed white felt. 70% wool, 30% rayon. (not shown)

No. 301 - 2" wide x 54" long. Per strip.

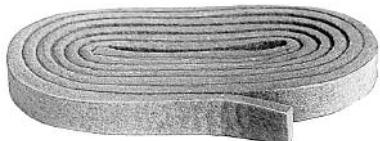


HAMMER FELT TRIMMINGS

Long, tapered and stripped felt cuttings from grand and upright hammers. Can be used for many purposes including mutes.

No. 303 - Felt Trimmings. Per lb.

PRESSED FELT



GRAND DAMPER LIFTER FELT

Used on the back of keys to lift the dampers.
1/2" wide x 56" long strips.

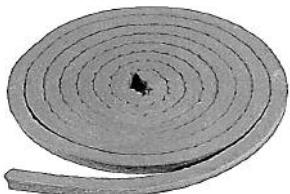
No. 947 - Lifter felt. Per Strip



GRAND SHANK REST FELT

Soft white felt. Ready Cut.

No. 945 - 5/8" x 3/8" x 3/8" thick. Set of 90
No. 946 - 5/8" x 3/8" x 1/2" thick. Set of 90



UNDERSTRING FELT

Semi-firm scarlet felt.

1/2" wide x 52" long x 1/4" thick.

No. 949 - Understring Felt. Per Strip

In Bulk Sheets: 7-1/2" wide x 52" long.
No. 2949 - Understring Felt. Per Sheet



PRESSURE BAR FELT

Semi-firm scarlet felt. 1/4" thick.

No. 950 - 1" wide x 54" long. Per Strip

No. 951 - 2" wide x 54" long. Per Strip



GRAND HAMMER RAIL FELT

Semi-firm scarlet felt. 3/4" wide x 54" long x 3/8" thick strips or continuous rolls of 6 strips.

No. 326 - Grand Hammer Rail Felt. Per Strip

In Bulk Sheets: 7-1/2" wide x 54" long.

No. 2326 - Grand Hammer Rail Felt. Per Sheet



FIRM PRESSURE BAR FELT

Firm scarlet felt. 1" wide x 36" long x 1/4" thick.

No. 952 - Firm Pressure Bar Felt. Per Strip

In Bulk Sheets: 7-1/2" wide x 52" long.

No. 2952 - Firm Pressure Bar Felt. Per Sheet



STEINWAY STYLE STRINGING FELT

Firm scarlet felt for use in the treble section of Steinway Grands. 5/8" wide x 22" long x 1/4" thick.

No. 2332 - Steinway Style Stringing Felt. Per Strip



STEINWAY STYLE KEY END FELT

Firm Scarlet felt for use on the ends of Steinway keys. 7/8" wide x 34" long x 1/4" thick.

No. 2333 - Steinway Style Key End Felt. Per Strip



FIRM UNDERSTRING FELT

Firm scarlet felt. 1-1/8" wide x 32" long.

No. 2335 - 1/4" thick. Per Strip

No. 2336 - 3/16" thick. Per Strip

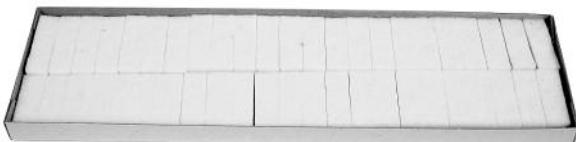


STEINWAY STYLE BELLYMEN FELT

Semi-firm scarlet felt. For front of plate on all models of Steinway Grands. Set consists of 3 strips of felt 1" wide x 55" long. Thin, medium and thick.

No. 2334 - Steinway Style Bellymen Felt. Per Set

DAMPER FELT BY LAOUREUX



TREBLE DAMPER FELT

Soft white felt. Unbacked (not creased)

19" Strips not cut. 1-3/8" Wide

No. 305A - 7/16" Thick. Even. Per Strip

No. 305C - 7/16" Thick. *Tapered. Per Strip

Set of 45 pieces ready cut.

No. 306A - 1-3/8" x 3/8" x 7/16" Thick. Even. Per Set

No. 306C - 1-3/8" x 3/8" x 7/16" Thick. *Tapered. Per Set

*Tapered specifications

Width tapers from 1-3/8" to 1-3/16"

Thickness tapers from 7/16" to 5/16"



UPRIGHT TREBLE DAMPER HEADS

Soft white felt with scarlet backing and sewn crease. Tapered.

18" strip contains set of 40 pieces.

No. 534 - Width tapers from 1-3/16" to 1". Overall thickness with wood blocks remains 5/8". Standard 3/8" thick felt.

Per Strip

Set of 42 pieces ready cut.

No. 534-1/2 - Same specifications as 534 above but cut into pieces. Per Set



GRAND TREBLE DAMPER FELT

Soft white felt. 3/8" thick. Width tapers from 7/8" to 5/8".

Available with or without red backing.

19" Strips not cut.

No. 955TB - With red backing. Per Strip

No. 955T - Without red backing. Per Strip

Set of 90 pieces ready cut. 13/32" wide

No. 953TB - With red backing. Per Set.

No. 953T - Without red backing. Per Set.



UPRIGHT TREBLE DAMPER FELT

Soft white felt with scarlet backing and sewn crease. Tapered.

19" Strips not cut.

No. 1534 - Width tapers from 1-3/8" to 1-3/16". Thickness tapers from 1/2" to 3/8". Per Strip

No. 1540 - Width tapers from 1-1/4" to 1-1/8". Thickness tapers from 7/16" to 3/8". Per Strip

Set of 45 pieces ready cut.

No. 1534-1/2 - Same specification as 1534 above but cut into 7/16" pieces. Per Set

No. 1540-1/2 - Same specification as 1540 above but cut into 7/16" pieces. Per Set

FELT FOR TIMPANI MALLETS

100% soft white virgin wool felt for covering timpani mallets. Our felt is used by artists and manufacturers worldwide. Sheets measure 19" wide x 36" long. Minimum order is 1 full sheet. (not shown)

No. 1569C - 1/2" Thick. Per Sheet

For the exacting technician, we also offer 4 size types of Quality Laureux Damper Wedge Felts, un-backed. Sizes shown are actual, all are 27-1/2" long and are VERTICAL grain cut.

DAMPER FELT IN STRIPS (NOT BACKED)

SINGLE
vertical
grain felt



1550

DOUBLE
vertical
grain felt



1551

TRICHORD
vertical
grain felt



1552



1553



1554



1555



1556



1557



1558



1559

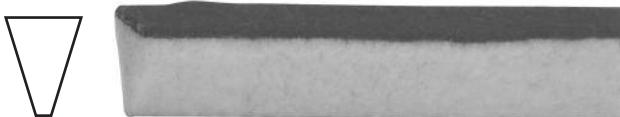


1560



1561

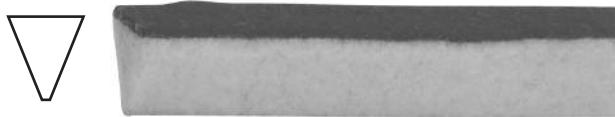
DAMPER FELT BY LAOUREUX



UPRIGHT DAMPER WEDGE FELT WITH RED BACKING

Laoureux quality A wedge felts. All VERTICAL cut, 27-1/2" long.
Same dimensions as 1556, 1557, 1558 on previous page.

No. 1535 - Single. Per Strip
No. 1536 - Double. Per Strip
No. 1537 - Trichord. Per Strip



GRAND DAMPER WEDGE FELT WITH RED BACKING

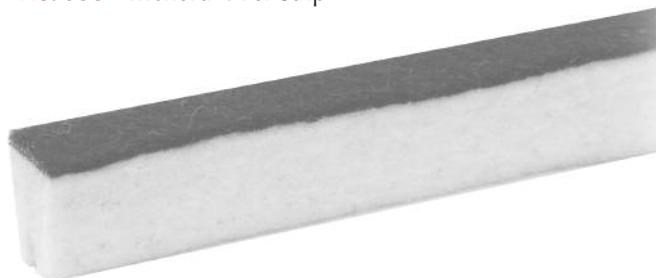
Laoureux quality A wedge felts. All VERTICAL cut, 27-1/2" long.
Same dimensions as 1559, 1560, 1561 on previous page.

No. 956 - Single. Per Strip
No. 957 - Double. Per Strip
No. 958 - Trichord . Per Strip

DAMPER WEDGE FELT - TAPERED SIDES

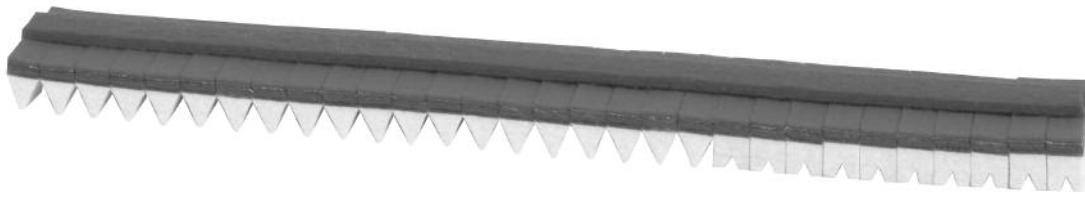
Laoureux quality A wedge felts. All VERTICAL cut, 27-1/2" long.

No. 1535A - Single with red backing. Per Strip (shown)
No. 1535B - Single without red backing. Per Strip



UPRIGHT BASS DAMPER WEDGES BY LAOUREUX

Complete set consists of 30 wedges; 10 singles and 20 doubles.



STANDARD LENGTH

1-3/8" long x 3/8" wide cut.

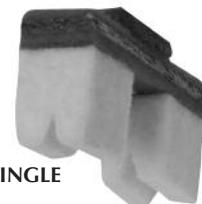
No. 535A - Per Set
No. 535AS - Single. Each
No. 535AD - Double. Each
No. 535AT - Trichord. Each

NEW STYLE DAMPER FELT

1-3/4" long x 5/16" wide cut. Back felt off center.

No. 535C - Per Set
No. 535CS - Single. Each
No. 535CD - Double. Each
No. 535CT - Trichord. Each

WEDGES



SINGLE



DOUBLE



TRICHORD

OLD STYLE DAMPER FELTS

1-3/4" long x 3/8" wide cut.

No. 535B - Per Set
No. 535BS - Single. Each
No. 535BD - Double. Each
No. 535BT - Trichord. Each

DAMPER FELT

1-5/8" long x 5/16" wide. Back felt off center.

No. 535D - Per Set
No. 535DS - Single. Each
No. 535DD - Double. Each
No. 535DT - Trichord. Each

DAMPER FELT BY LAOUREUX



STEINWAY STYLE DAMPER FELT SETS

Complete set of bass and treble damper felts ready cut.
Without red backing.

No. 954S - For Model S 10 single, 20 double. Per Set
No. 954M - For Model M 10 single, 20 double. Per Set
No. 954L - For Model L & O 10 single, 16 double. Per Set
No. 954A - For Model A 8 single, 17 double. Per Set
No. 954B - For Model B 8 single, 12 double. Per Set
No. 954D - For Model D & C 8 single, 5 double 7 trichord. Per Set



*Red backing available on cut sets.

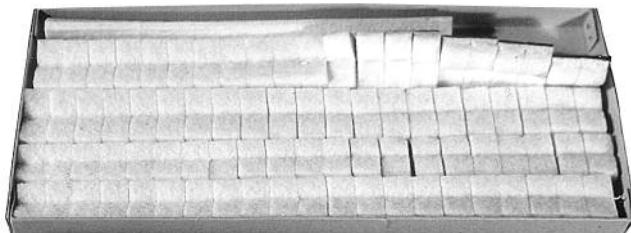
STEINWAY STYLE DAMPER FELT STRIPS

27-1/2" strips, horizontal grain. This is the same quality and shape felt used in our pre-cut Steinway damper felts sets. Made by Laourex.

No. 1562 - Single without scarlet backing. Per strip
No. 1563 - Double without scarlet backing. Per strip
No. 1564 - Trichord without scarlet backing. Per strip
No. 1565 - Single with scarlet backing. Per strip
No. 1566 - Double with scarlet backing. Per strip
No. 1567 - Trichord with scarlet backing. Per strip



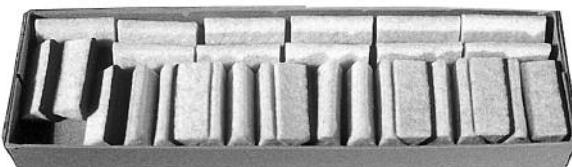
GERMAN STYLE TREBLE AND BASS DAMPER FELT SETS BY LAOUREUX



UPRIGHT TREBLE DAMPER FELT SET

3/8" thick, scarlet backs, center stitched, tapered, approx. 84 pieces plus one 4-3/4" strip trichord wedge felt. Stitched pads taper from approx. 1/2" to 11/16" in length, 7/16" width.

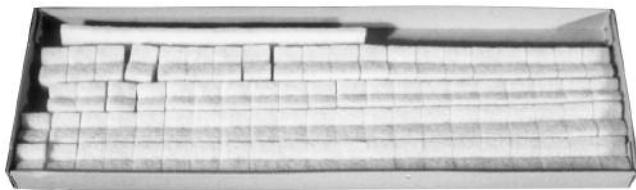
No. 1595 - Upright Treble Damper Felt Set. Per Set



UPRIGHT BASS DAMPER FELT SET

Set contains 30 Single and 36 double wedges 15/16" long with red backing.

No. 1595-1/2 - Upright Bass Damper Felt Set. Per Set



GRAND TREBLE DAMPER FELT SET

7/16" thick, scarlet backs, center stitched, tapered, approx. 84 pieces plus one 6-3/4" strip trichord wedge felt. Stitched pads taper from approx. 15/16" to 11/16" in length, 13/32" width.

No. 1596 - Grand Treble Damper Felt Set. Per Set



GRAND BASS DAMPER FELT SET

Set contains 30 single and 30 double wedges 1-11/64" long with red backing.

No. 1596-1/2 - Grand Bass Damper Felt Set. Per Set

TOKIWA GRAND DAMPER FELT SET

Will fit any grand with 20 to 33 Bass. Singles measure 1/2" high x 13/32" wide x 1" long. Doubles have the same measurements except they are 1-1/8" long. Flats taper from 1-1/8" to 3/4" and are creased. Red backed.

No. 1597 - Tokiwa Grand Damper Felt Set. Per Set.



TOKIWA SHANKS & FLANGES

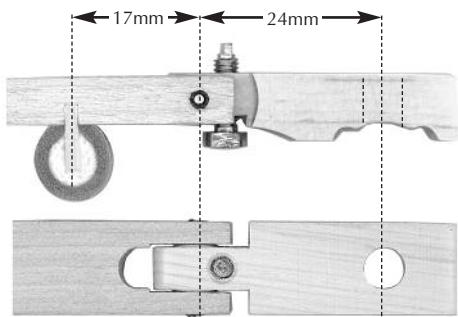
IMPORTED FROM JAPAN. (SHOWN AT ACTUAL SIZES)

All are bushed with the finest quality "White Center" bushing cloth. Sets consist of 90 pieces.



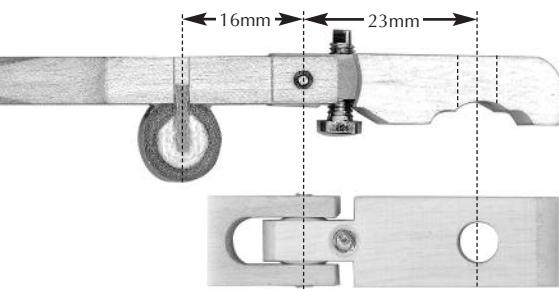
NEW YORK STEINWAY TYPE

No. 916AJ - Each



HAMBURG STEINWAY TYPE

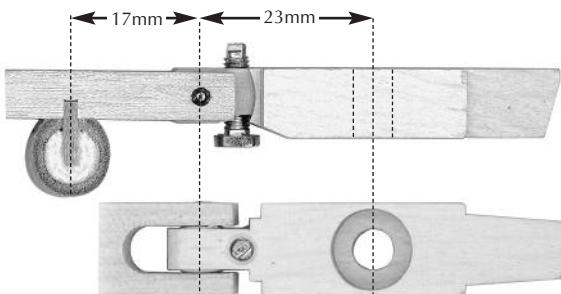
No. 916HSJ - Each



WESSEL, NICKEL AND GROSS TYPE

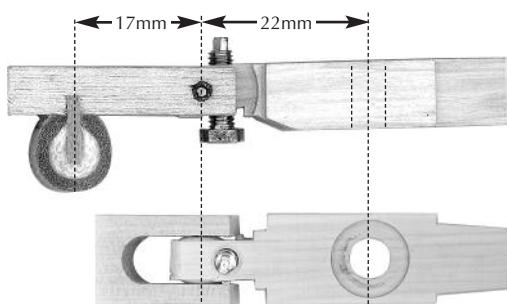
Pre-1973 Mason & Hamlin.

No. 915CJ - Each



BALDWIN "OLD" BORE TYPE

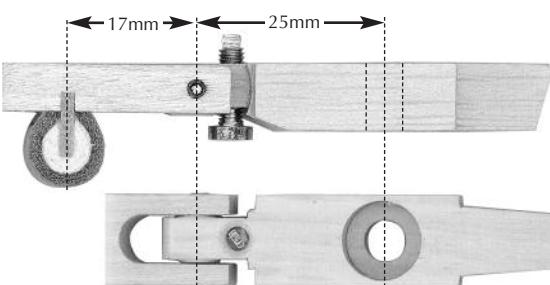
No. 917J - Each



AEOLIAN TYPE

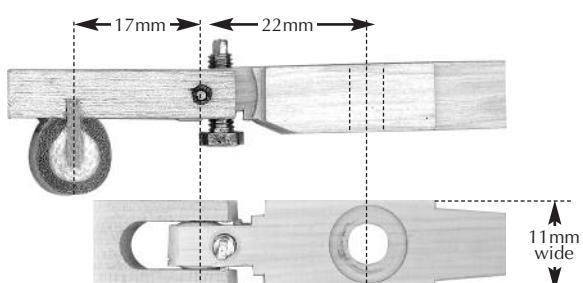
Chickering, Knabe and others.

No. 915AJ - Each



BALDWIN "NEW" BORE TYPE

No. 918J - Each

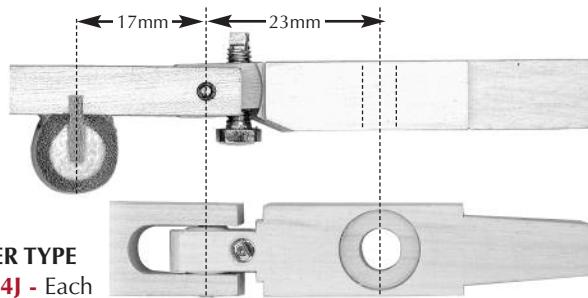


AEOLIAN "NARROW" TYPE

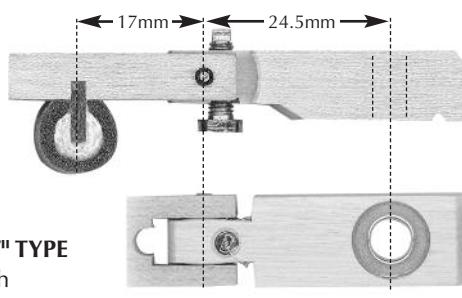
Same as above but narrow.

No. 915ANJ - Each

TOKIWA SHANKS & FLANGES



RENNER TYPE
No. 914J - Each



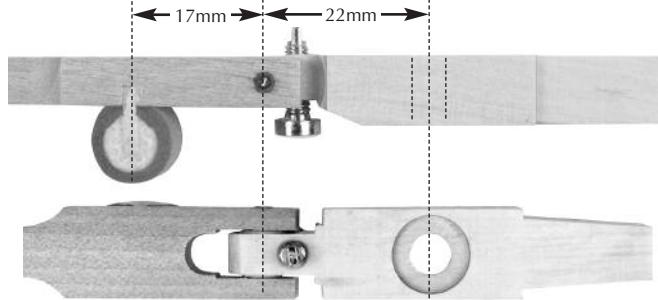
YAMAHA "NEW" TYPE
No. 3904J - Each



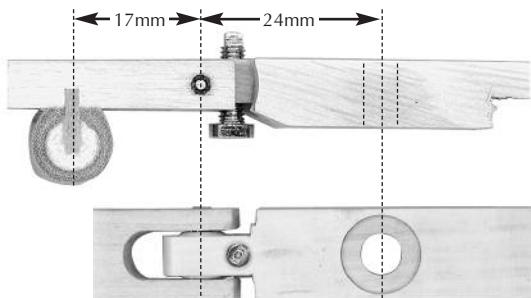
No. 915OJ - Same dimensions as 914J above but unbored. Each



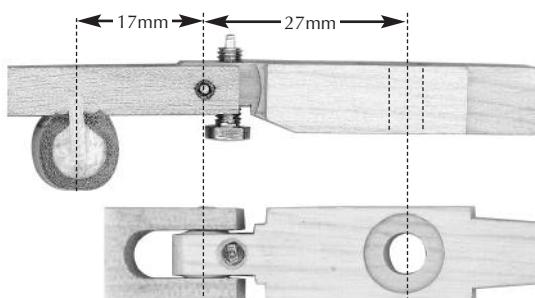
No. 911J - Same dimensions as 914J above but adjustable. Each



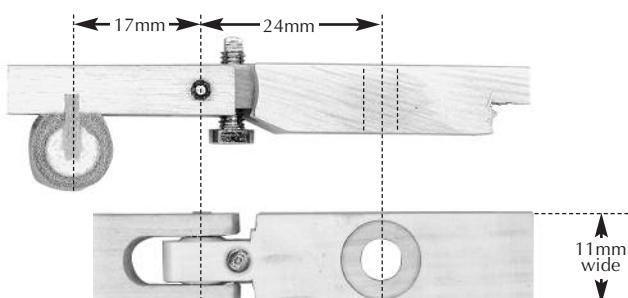
YAMAHA "OLD" TYPE
No. 3902J - Each



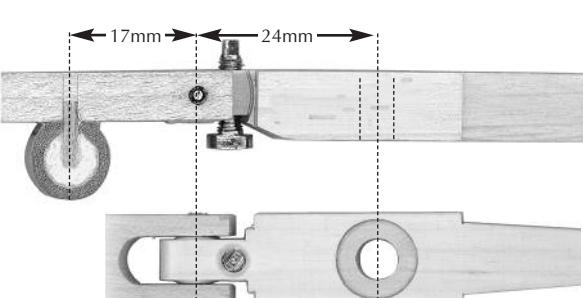
KNABE TYPE
No. 915EJ - Each



MASON & HAMLIN "NEW" TYPE
No. 915FJ - Each

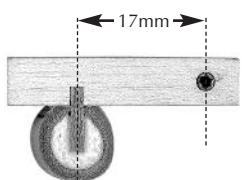


KNABE "NARROW" TYPE
Same as above but narrow.
No. 915ENJ - Each



KAWAI "OLD" TYPE
No. 915KJ - Each

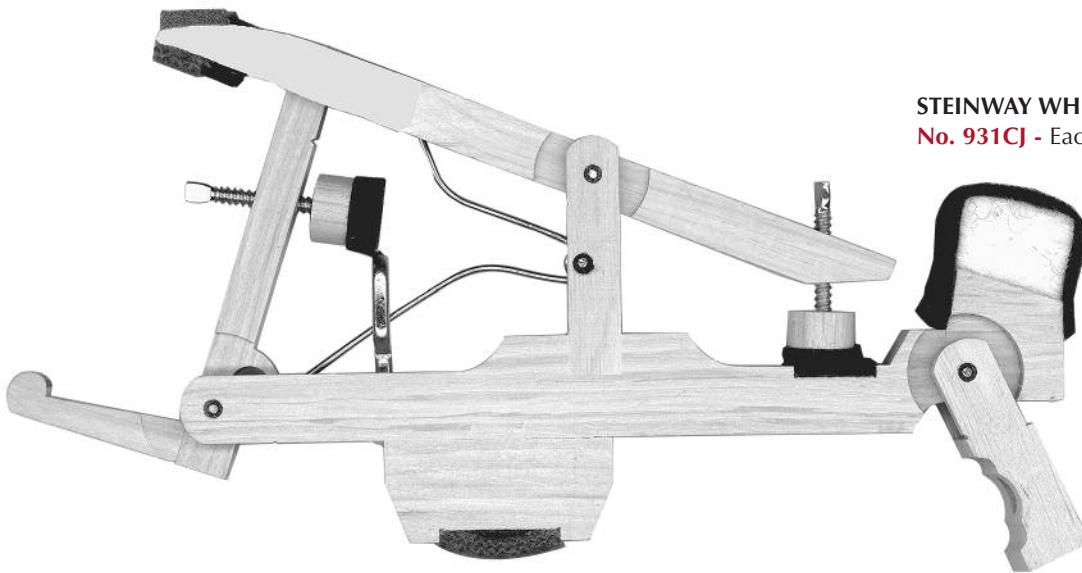
SHANK ONLY
No. 910J - Each



TOKIWA ACTION PARTS

GRAND WHIPPENS (SHOWN AT ACTUAL SIZES)

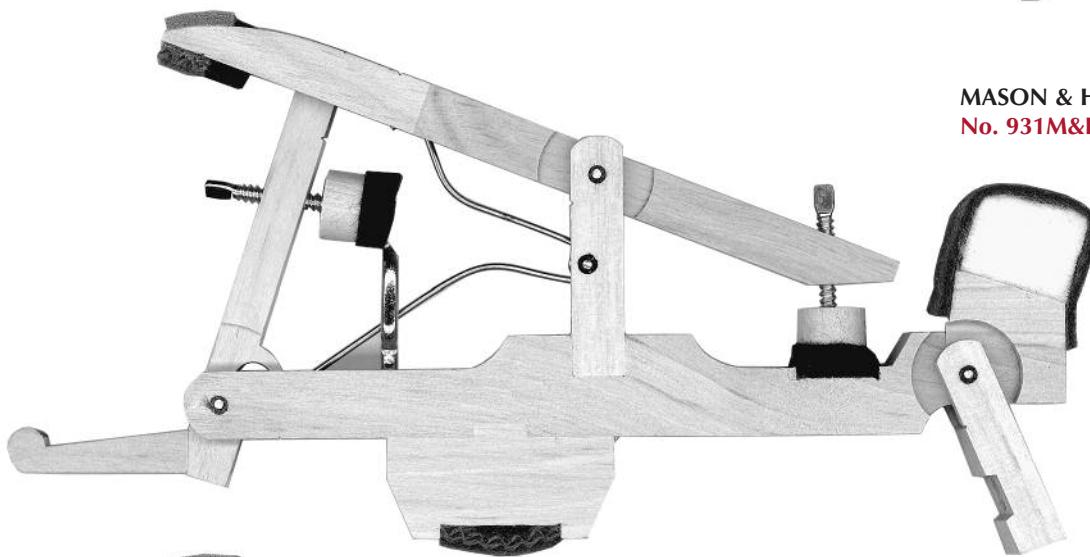
All are bushed with the finest quality "White Center" bushing cloth. Sets consist of 90 pieces.
All styles pictured below come fully assembled.



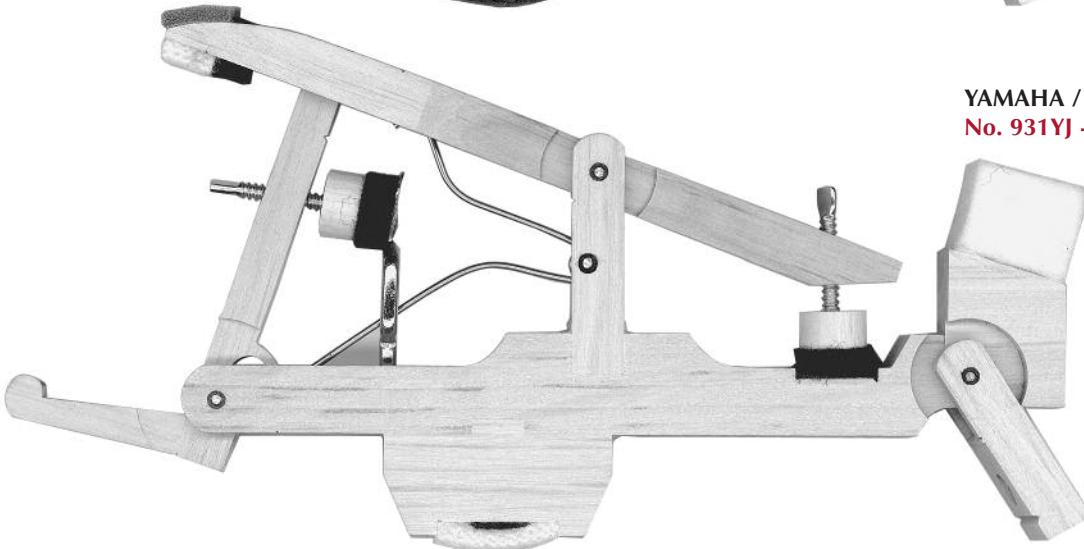
STEINWAY WHIPPEN TYPE
No. 931CJ - Each



STEINWAY WHIPPEN
FLANGE
No. 932CJ - Each



MASON & HAMLIN TYPE
No. 931M&HJ - Each

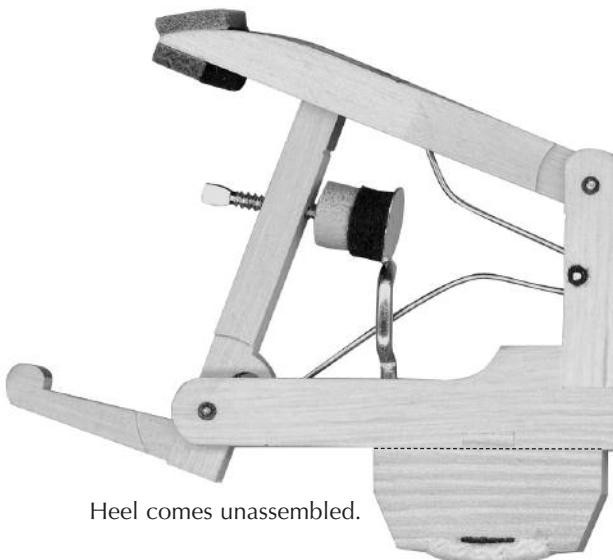


YAMAHA / YOUNG CHANG TYPE
No. 931YJ - Each

TOKIWA ACTION PARTS

GRAND WHIPPENS (SHOWN AT ACTUAL SIZES)

These two styles require heel assembly.



Heel comes unassembled.

STEINWAY HAMBURG TYPE WITHOUT ASSIST SPRING

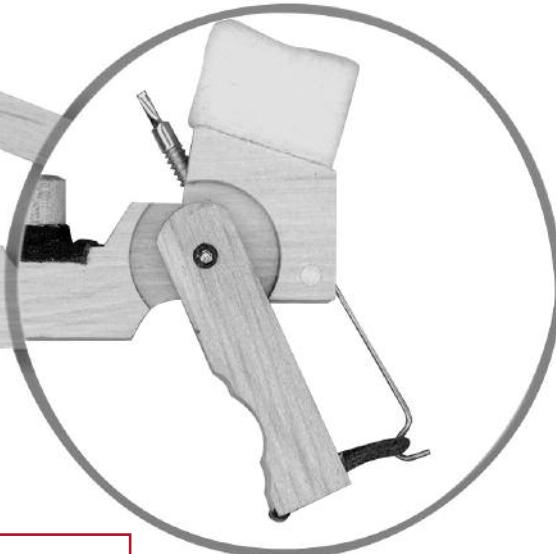
No. 931HAMJ - Each

(Specify straight or angled heel. Sold separately)

STEINWAY HAMBURG TYPE WITH ASSIST SPRING

No. 931HSJ - Each

(Specify straight or angled heel. Sold separately)



Straight Heel



No. 1029 - Each

Angled Heel



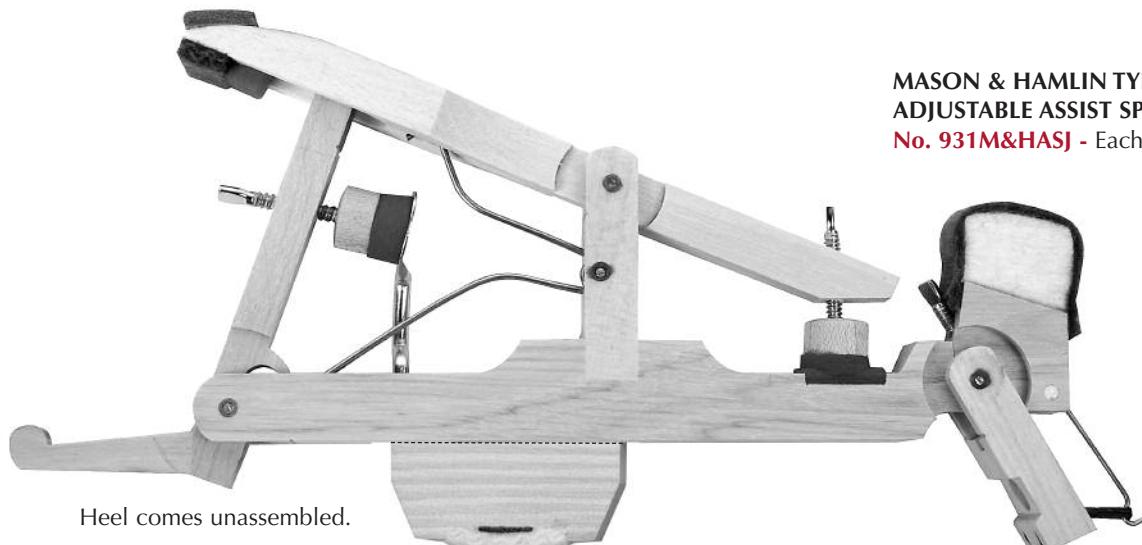
No. 1029A - Each

STEINWAY HAMBURG TYPE 1-PIECE BODY

(not shown)

No. 931HS-AJ - Angled Heel. Each

No. 931HS-SJ - Straight Heel. Each



Heel comes unassembled.

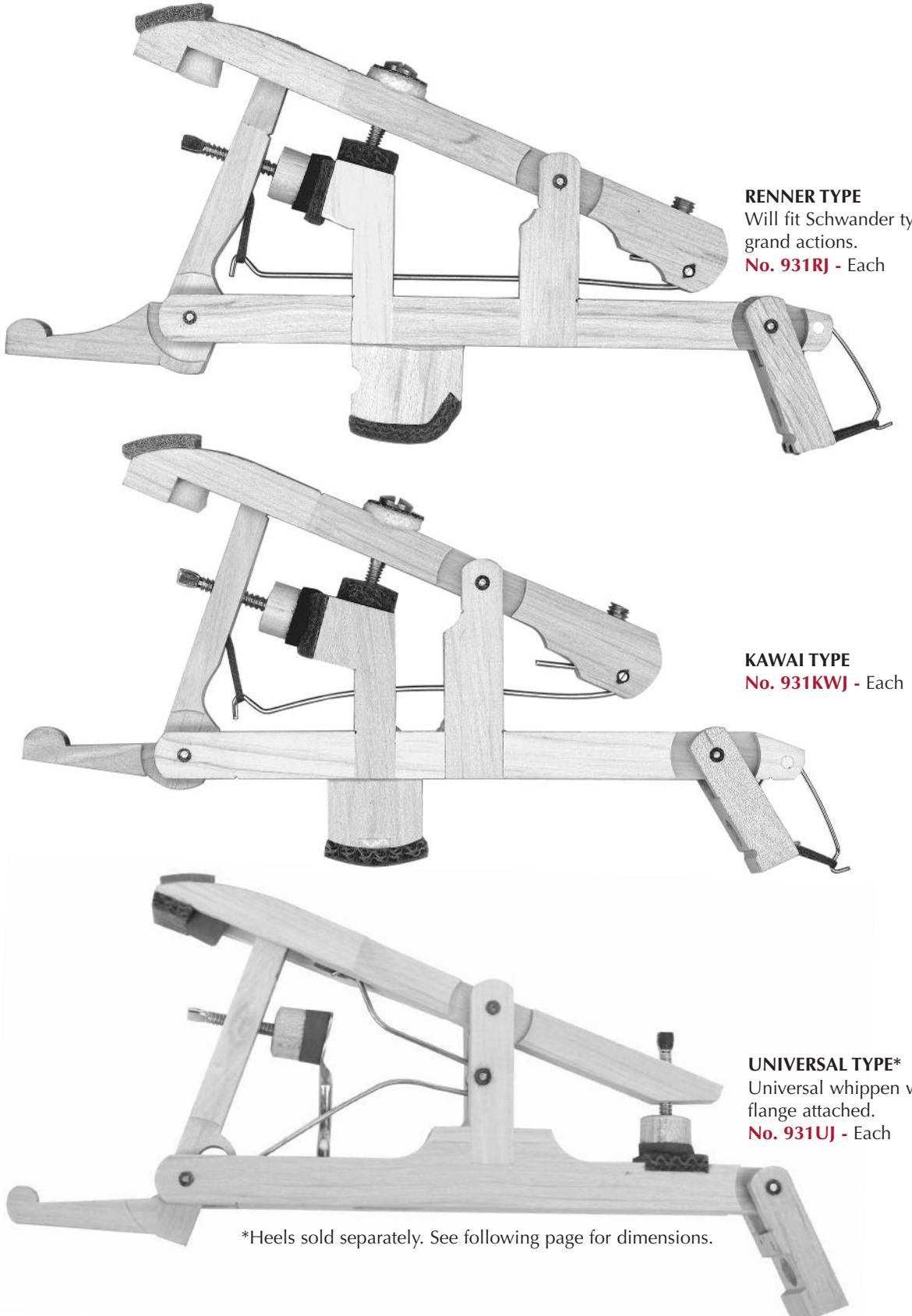
MASON & HAMLIN TYPE WITH ADJUSTABLE ASSIST SPRING

No. 931M&HASJ - Each

TOKIWA ACTION PARTS

GRAND WHIPPENS (SHOWN AT ACTUAL SIZES)

All styles pictured below except for the #931UJ Universal Type whippen come fully assembled.



RENNER TYPE

Will fit Schwander type
grand actions.

No. 931RJ - Each

KAWAI TYPE

No. 931KWJ - Each

UNIVERSAL TYPE*

Universal whippen with
flange attached.

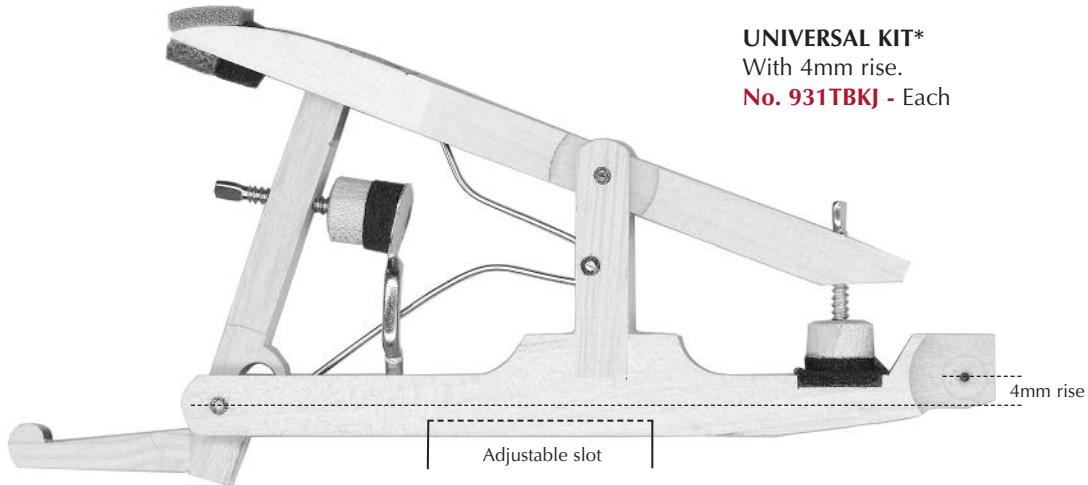
No. 931UJ - Each

*Heels sold separately. See following page for dimensions.

TOKIWA ACTION PARTS

UNIVERSAL GRAND WHIPPENS (SHOWN AT ACTUAL SIZES)

Create Baldwin, Chickering and Knabe plus more . . .



HEELS



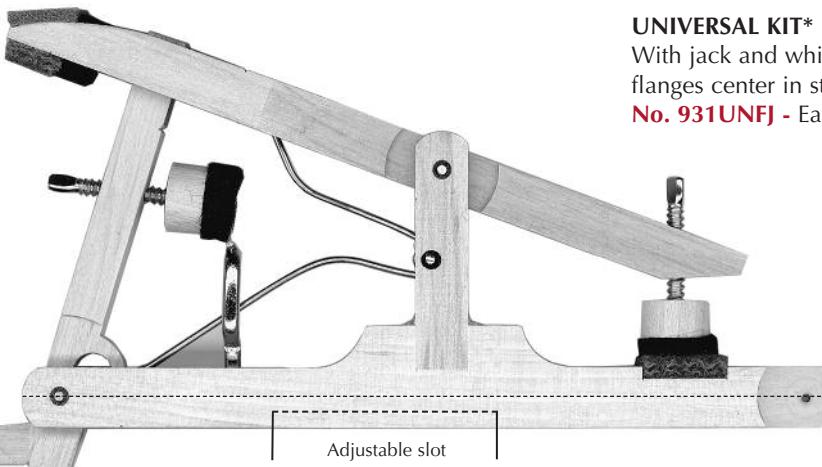
SMALL
No. 937S - Each



MEDIUM
No. 937M - Each



LARGE
No. 937L - Each



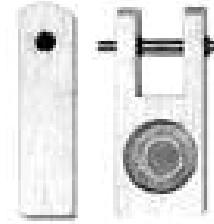
FLANGES



AEOLIEN TYPE
No. 932AJ - Each



BALDWIN TYPE
No. 932BJ - Each



CHICKERING TYPE
Replaces brass type.
No. 932CBJ - Each



KNABE & CHICKERING TYPE
No. 932KJ - Each



MASON & HAMLIN TYPE
No. 932M&HJ - Each

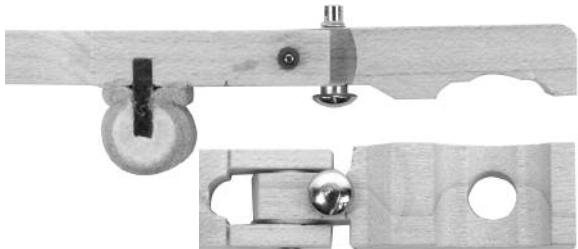


STANDARD TYPE
No. 932UJ - Each

*Flange and heel sold separately and come unassembled. 18-1/2" center pins included.

GRAND ACTION PARTS

SHANKS AND FLANGES (ACTUAL SIZE)



STEINWAY TYPE

Current NY Steinway Production.

No. 916A - Sets of 90

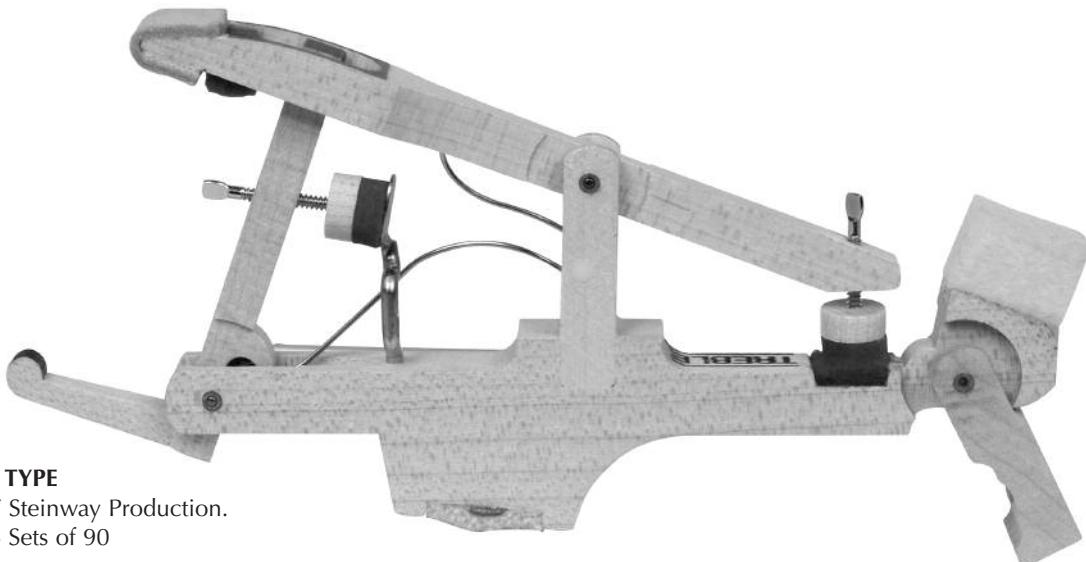


BALDWIN CONCERT TYPE

Made by Abel.

No. 919 - Each

WHIPPENS

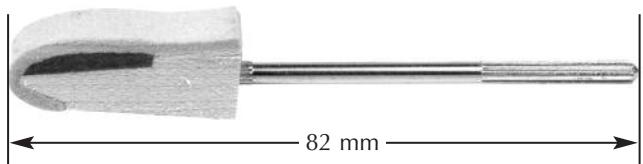


STEINWAY TYPE

Current NY Steinway Production.

No. 931C - Sets of 90

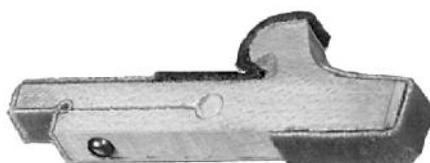
GRAND ACTION PARTS



GRAND BACKCHECK WITH WIRES

Current NY Steinway Production

No. 924C - Each



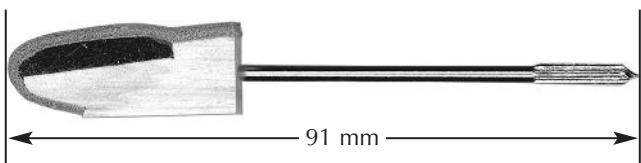
STEINWAY SUSTAINING MONKEY

For replacement of worn monkey. Genuine Steinway replacement.

No. 929 - Each

GRAND ACTION PARTS

TOKIWA BACKCHECKS



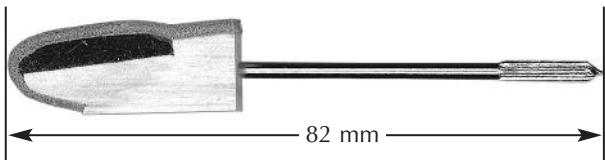
STANDARD WITH WIRES

No. 924AJ - Each



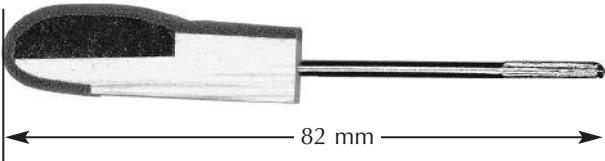
STANDARD WITHOUT WIRES

No. 923AJ - Each



NEW STEINWAY STYLE WITH WIRES

No. 924CNJ - Each



OLD STEINWAY STYLE WITH WIRES

No. 924CJ - Each



OLD STEINWAY STYLE WITHOUT WIRES

No. 923CJ - Each

KNUCKLES

ABEL STYLE

10 mm diameter, 11.5 mm width

No. 921E - Each



TOKIWA STYLE

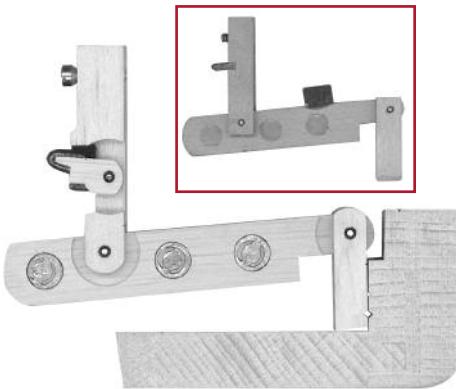
10 mm diameter, 11.5 mm width

No. 921EJ - Each



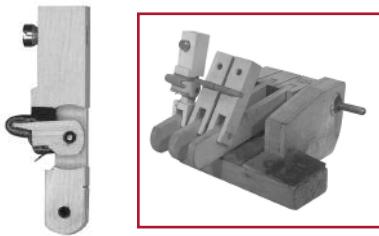
TOKIWA DAMPER ACTION KITS

Kits include tray, pivot pins, tray felt assist springs, upstop rail felt and instructions.



STEINWAY OLD "RIGID-TAB"

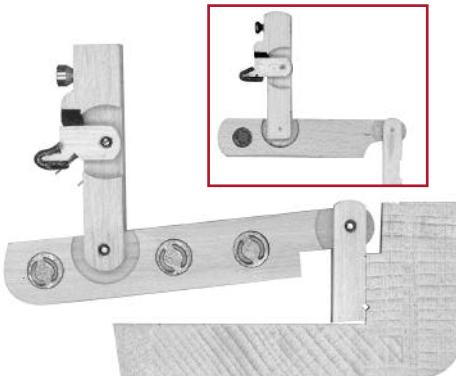
No. 1028RT - Replacement Kit. Each



STEINWAY TOP FLANGE ONLY

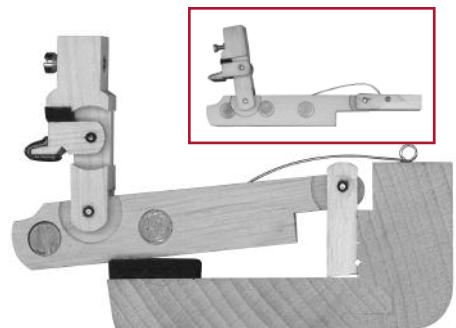
Provides modern "flipper tab" and brass collar with machine screw.

No. 1028F - Replacement Flange. Each



STEINWAY PTFE "SHORT-ARM"

No. 1028 - Replacement Kit. Each



MASON & HAMLIN

No. 1028M&H - Replacement Kit. Each

GRAND ACTION PARTS



TOKIWA GRAND LET-OFF BUTTONS

Punchings included but not glued on.

No. 1024 - Each



GRAND DAMPER HEADS

Wires and Felt sold separately. Full sets only.

No. 967 - Per Set



CHICKERING GRAND FLANGE

For Chickering Grand Whippens.

No. 590 - Each



GRAND DAMPER WIRE

7" long. Made of tin plated brass. Set of 66.

No. 969J - Each

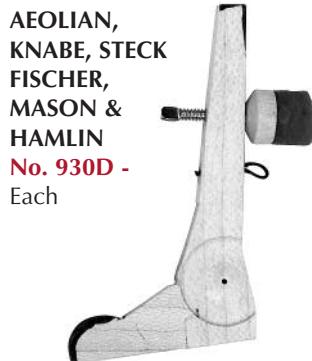
GRAND JACKS



THAYER
No. 930A -
Each



PRATT READ
No. 930B -
Each



**AEOLIAN,
KNABE, STECK
FISCHER,
MASON &
HAMLIN**
No. 930D -
Each



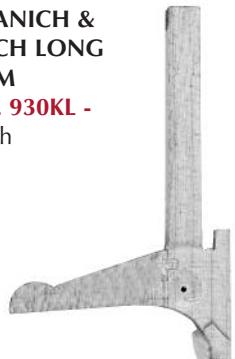
**CHICKERING
SHORT ARM**
No. 930H -
Each



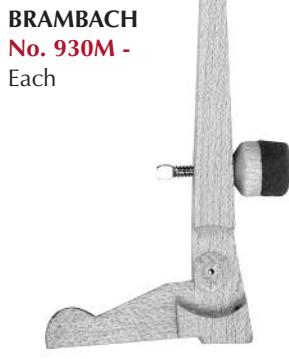
**CHICKERING
LONG ARM**
No. 930HL -
Each



**KRANICH &
BACH SHORT
ARM**
No. 930K -
Each



**KRANICH &
BACH LONG
ARM**
No. 930KL -
Each



BRAMBACH
No. 930M -
Each

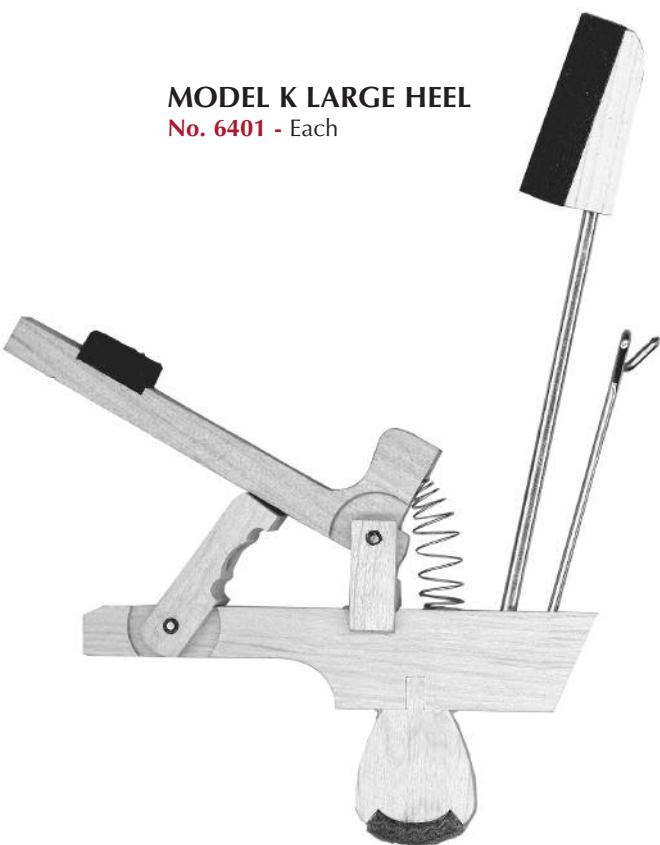
STEINWAY UPRIGHT ACTION PARTS

Highest quality Japanese replacement parts.
(Set consists of 88 pieces)

MODEL K SMALL HEEL
No. 6400 - Each



MODEL K LARGE HEEL
No. 6401 - Each



MODEL V
No. 6402 - Each



MODEL F
No. 6403 - Each

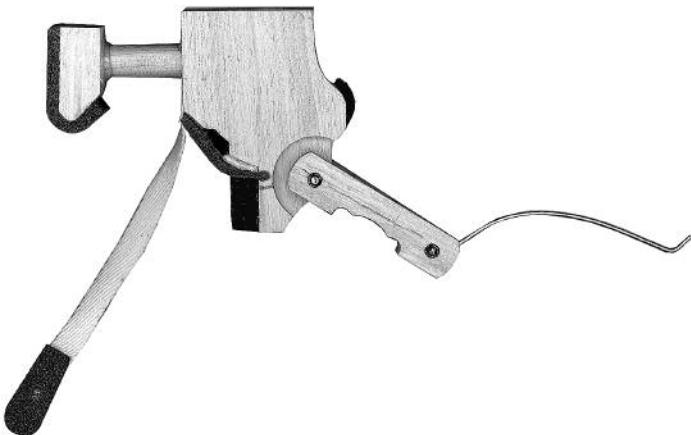


STEINWAY UPRIGHT ACTION PARTS

Highest quality Japanese replacement parts.

HAMMER BUTTS

**STEINWAY HAMMER BUTTS,
COMPLETE SET (NOT SHOWN)**
74 double flanges, 14 single flanges.
No. 6408 - Per Set of 88



STEINWAY STYLE BUTT WITH DOUBLE FLANGE
No. 6406 - Each



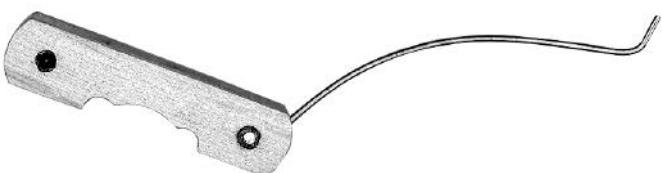
STEINWAY STYLE BUTT WITH SINGLE FLANGE
No. 6407 - Each



STEINWAY STYLE DAMPER LEVERS (WITH PLATE)
No. 6404 - Each

HAMMER BUTT FLANGES

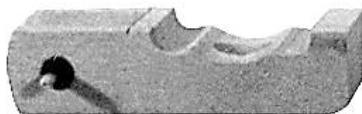
**STEINWAY STYLE BUTT FLANGES,
COMPLETE SET (NOT SHOWN)**
74 double flanges, 14 single flanges.
No. 6411 - Per Set of 88



STEINWAY STYLE DOUBLE FLANGE
No. 6409 - Each



STEINWAY STYLE SINGLE FLANGE
No. 6410 - Each



STEINWAY STYLE WHIPPEN FLANGE
No. 6405 - Each



STEINWAY STYLE DAMPER BLOCKS

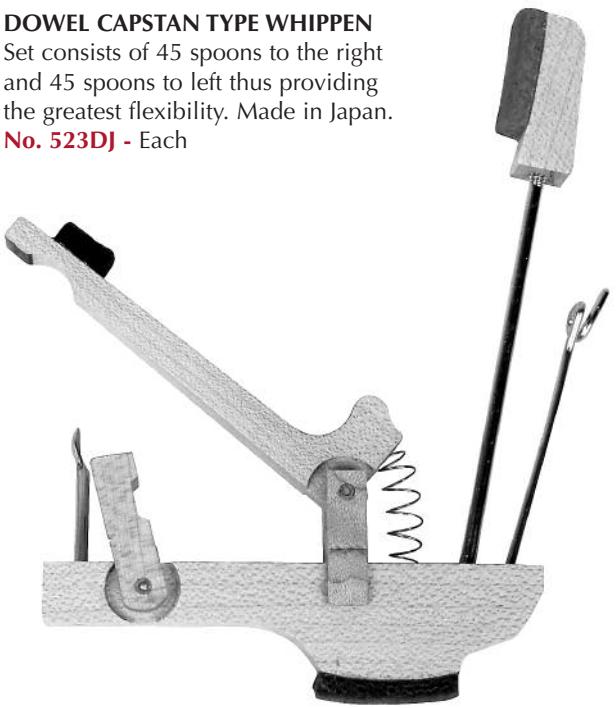
Set consists of the following:
30 short blocks (bass) slant bore.
42 long blocks (tenor/treble) straight bore.
45 heads (tapered in length).
No. 6412 - Set

UPRIGHT WHIPPENS

DOWEL CAPSTAN TYPE WHIPPEN

Set consists of 45 spoons to the right and 45 spoons to left thus providing the greatest flexibility. Made in Japan.

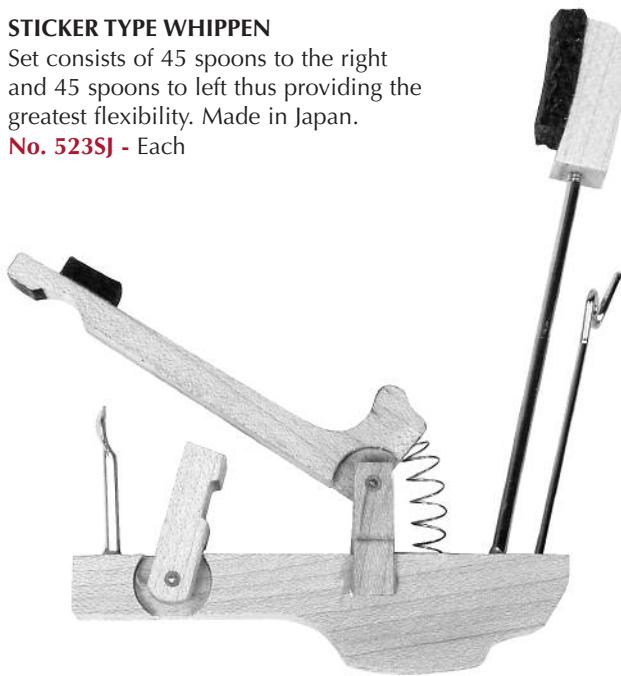
No. 523DJ - Each



STICKER TYPE WHIPPEN

Set consists of 45 spoons to the right and 45 spoons to left thus providing the greatest flexibility. Made in Japan.

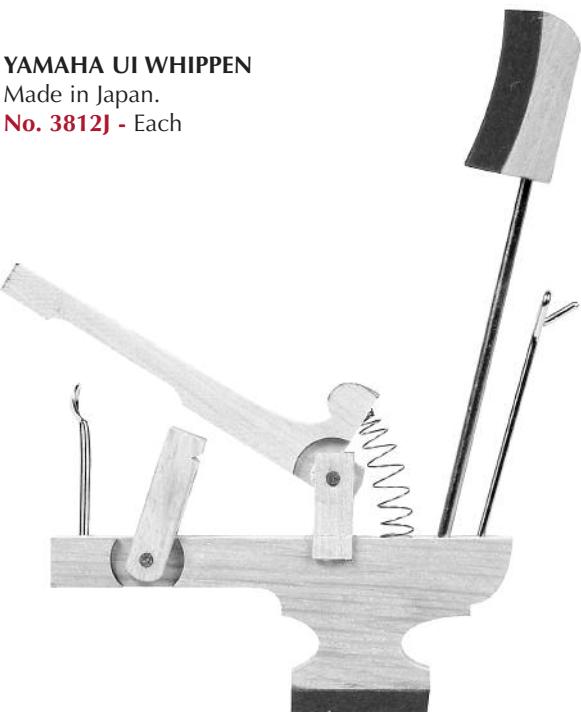
No. 523SJ - Each



YAMAHA UI WHIPPEN

Made in Japan.

No. 3812J - Each



TOKIWA UPRIGHT DAMPER FELT



TOKIWA TREBLE DAMPER FELT

Ideal replacement for Asian pianos as well as Steinway uprights.
Set consists of 48 pieces.

No. 1598A - Treble Damper Felt. Per Set

TOKIWA BASS DAMPER FELT

Ideal replacement for Asian pianos as well as Steinway uprights.
Set consists of 28 pieces.

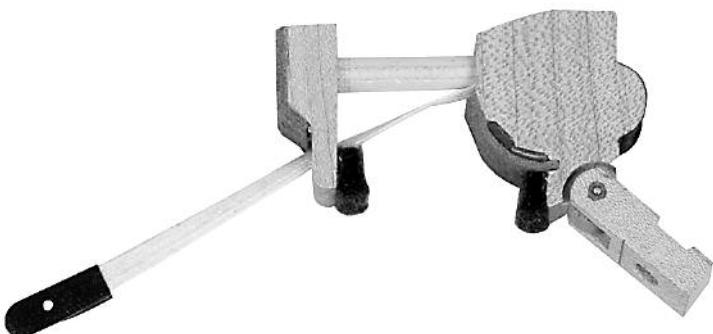
No. 1598B - Bass Damper Felt. Per Set

TOKIWA ROUND DAMPER BLOCK

With screws. Set contains 70 Pieces.

No. 529J - Each

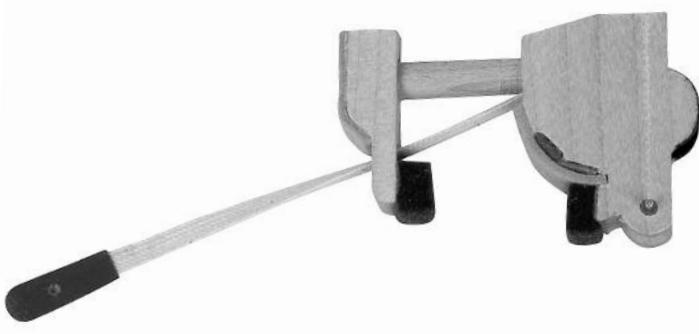
UPRIGHT BUTTS



STANDARD UPRIGHT BUTT

Pratt-read style butt with flange fits most American upright actions. Made in Japan.

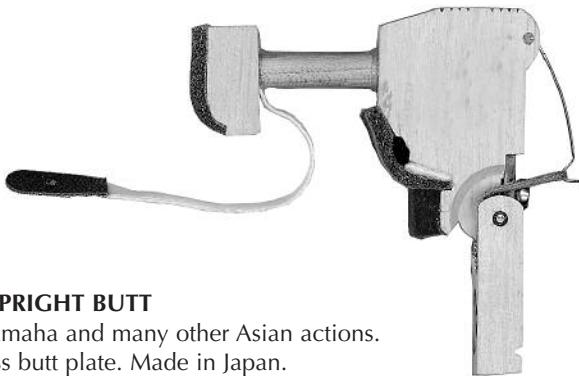
No. 507J - Each



BILLINGS/BRASS RAIL BUTT

Pratt-read style butt fits brass Billings flanges.
Made in Japan.

No. 509J - Each



ASIAN UPRIGHT BUTT

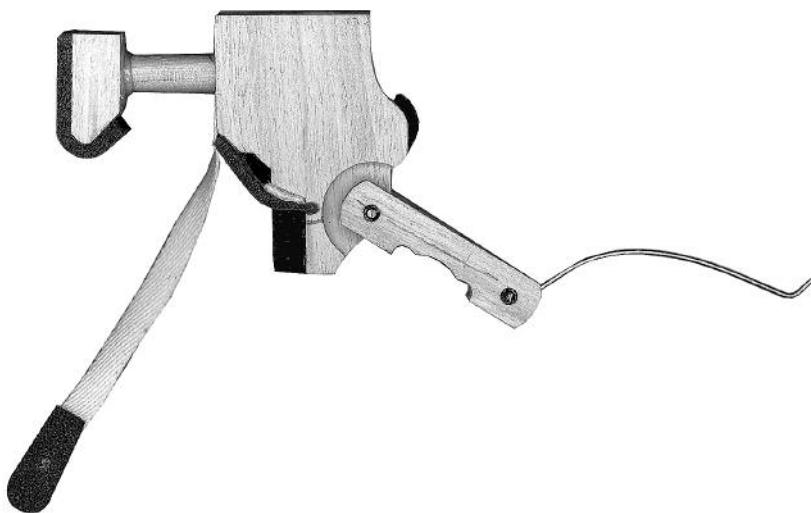
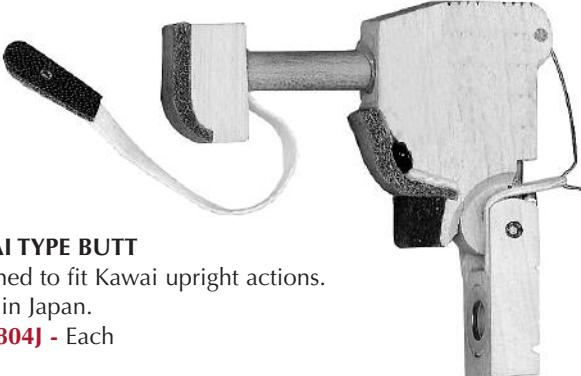
Will fit Yamaha and many other Asian actions.
With brass butt plate. Made in Japan.

No. 3800J - Each

KAWAI TYPE BUTT

Designed to fit Kawai upright actions.
Made in Japan.

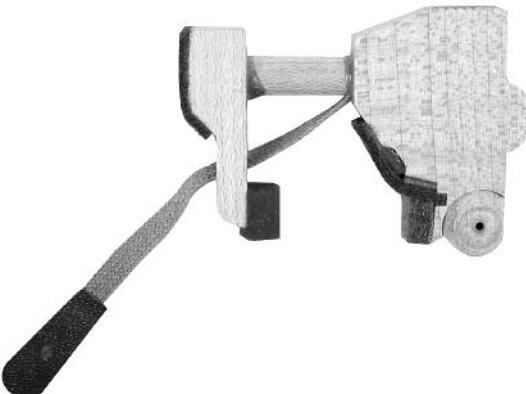
No. 3804J - Each



STEINWAY STYLE BUTT WITH DOUBLE FLANGE

An exacting replacement for Steinway upright actions.
Made in Japan.

No. 6406 - Each



BALDWIN HAMILTON/ACROSONIC BUTT

Without wood flange. Designed to fit the 511CJ flange.

No. 3744A - Each

UPRIGHT ACTION PARTS



UPRIGHT HAMMER SHANKS

Hard maple. Finest quality. 7/32" Diameter. 5-1/4" long.
No. 504 - Shank. Each



BACK CHECKS

Fits both upright and spinet actions. Made in Japan.

No. 530 - With wires. Each

No. 530XJ - Without wires. Each

DAMPER BLOCKS

With screws. Set contains 32 bass, 21 Treble/Straight and 15 Treble/Slant.

No. 533 - Set of 68.

No. 533B - Bass. Each

No. 533T - Treble/Straight. Each

No. 533TS - Treble/Slant. Each



DOWEL TYPE DAMPER BLOCKS

With screws. Set contains 70 Pieces.

Made in Japan.

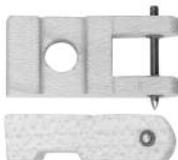
No. 529 - Each



STANDARD WOOD FLANGE

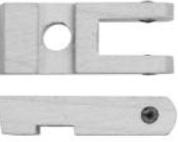
Most common type whippen and butt flange. Made in Japan.

No. 511CJ - Each



AEOLIAN WOOD FLANGE

No. 511B - Each



ASIAN FLANGE

Fits Yamaha, Samick and Young Chang butts. Made in Japan.

No. 3809J - Each



KAWAI TYPE FLANGE

Designed to fit Kawai upright actions. Made in Japan.

No. 3804FJ - Each



DOUBLE FLANGES

With damper lever springs.

No. 514-1/2 - Each



DAMPER LEVERS

With flange and spring. Made in Japan.

No. 537J - Wood. Each

DAMPER FLANGES

With damper lever springs, wood. Spring 1-7/8" Long. Made in Japan.

No. 514J - Wood. Each



JACKS

Made in Japan.

No. 525J - Each



JACKS AND FLANGES

Pinned, complete. Made in Japan.

No. 526-1/2 - Each



UPRIGHT JACK FLANGES

Bushed.

No. 526 - Each



BILLINGS BRASS FLANGES

To be used with 509J butt.

No. 512 - Each



ADJUSTABLE STICKER

Make to a desired length on the spot by merely cutting the dowel and gluing on both ends of sticker. Comes in two sizes to cover almost any size used. Shipped unassembled. Made in Japan.

No. 510AJ - Adjustable from 4" to 6-1/2". Each

No. 510BJ - Adjustable from 6-1/2" to 9". Each

WOOD DOWEL CAPSTANS

Without wire, but with holes.

No. 508J - Each



FLANGE SHIELD

Slips over any size butt or whippen flange to prevent center pin from working out. Used on every other flange.

No. 2502 - Each

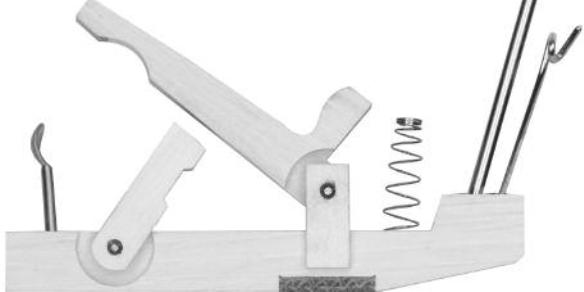


SPINET ACTION PARTS

COMPACT TYPE WHIPPEN

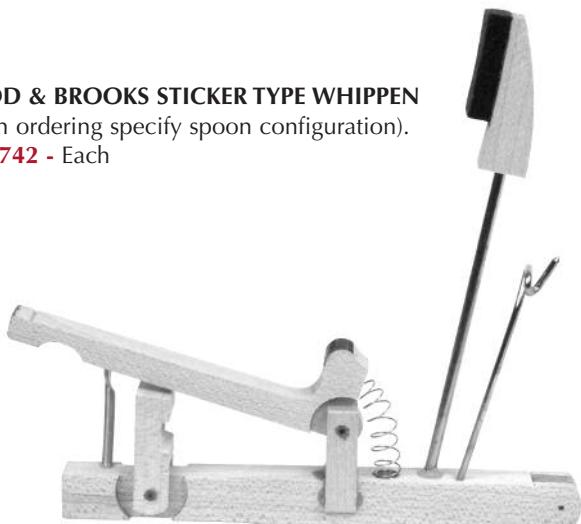
Set consists of 45 spoons to the right and 45 spoons to the left.
Made in Japan.

No. 3762J - Each



WOOD & BROOKS STICKER TYPE WHIPPEN

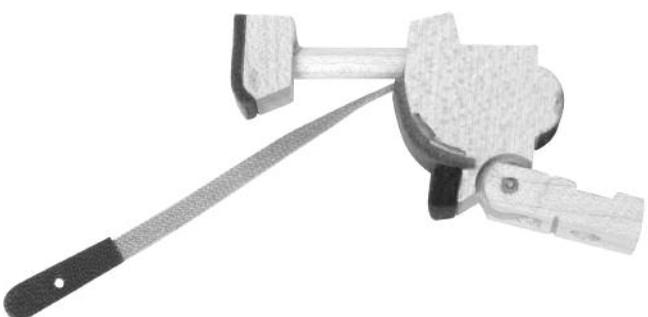
(When ordering specify spoon configuration).
No. 3742 - Each



COMPACT BUTT

S2 Type

No. 3772 - Each



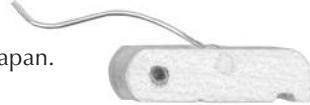
TYPE B LIFTER BUTTONS

No. 3781 - Each



SPINET DAMPER FLANGES

With springs 1" long. Made in Japan.
No. 3717J - Wood. Each



COMPACT DAMPER LEVER

With Flanges. Made in Japan.
No. 3786J - Each



UPRIGHT CATCHERS

Designed for both 507J and 509J type butts. Made in Japan.
No. 2507J - Each



COMPACT JACK WITH FLANGE

S2 Type
Made in Japan.
No. 3790J - Each



COMPACT JACK FLANGES

Bushed.
No. 3792 - Each



SPINET ACTION PARTS

SPINET HAMMER SHANKS

Hard Maple. Finest quality.

3/16" dia. X 4-1/4" long.

No. 3716 - Each



BALDWIN PICKUP FINGER NUTS

No. 3783 - Each



AUXILIARY WHIPPENS

No. 3752 - Each



AUXILIARY WHIPPEN FLANGE

No. 3754 - Each



DROP LIFTER WOOD ELBOWS

Can be used as a replacement for plastic elbows. 1-3/16" overall height. Made in Japan.

No. 3775J - Each



DROP WHIPPEN LIFTER ELBOWS

Plastic. 1-7/16" overall height. Original replacement part.

No. 3774 - Each



VAGIAS SNAP-ON DROP LIFTER ELBOWS

Plastic with a slot on the bushed end of elbows for easy installation. 1-7/16" overall height.

No. 3719 - Each



WEAVER BI-LEVEL ROCKER ARMS

No. 3782 - Each



RUBBER DONUT GROMMETS

For stickers.

No. 3784 - Per set of 100



SQUARE RUBBER GROMMETS

For lifter wires with fiber nut.

To be used with tool #60 located on page #42.

No. 3785 - Per set of 100

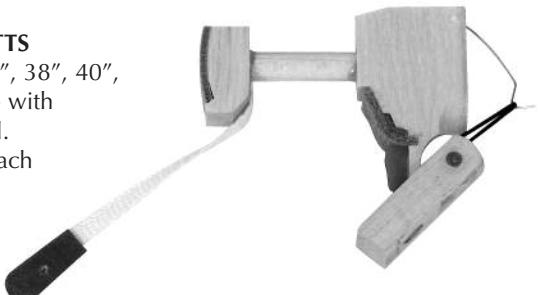


SCHWANDER (KIMBALL) ACTION PARTS

HAMMER BUTTS

For Kimball 36", 38", 40", 41", 42" piano with wood bead rail.

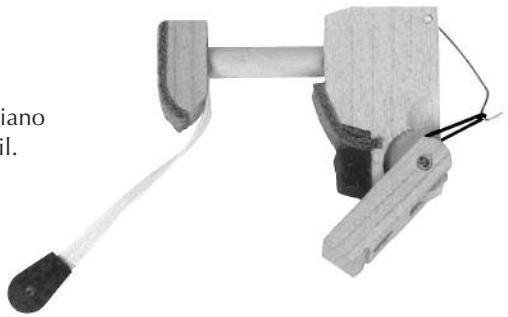
No. 3720A - Each



HAMMER BUTTS

For Kimball 45" piano with wire bead rail.

No. 3721 - Each



DAMPER LEVERS

With flange for Kimball 36", 38", 42", 45" pianos.

No. 3723 - Each



WHIPPEN FLANGES

For all Kimball pianos with wood bead rail.

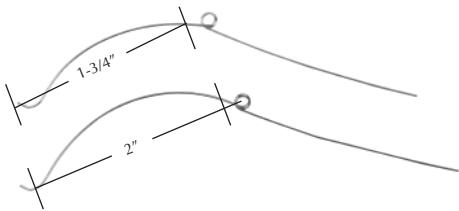
No. 3731A - Each



Please call our Customer Service Department for any miscellaneous part not shown.



ACTION HARDWARE



UPRIGHT HAMMER BUTT SPRINGS

No. 519A - 1-3/4" Short Tail, .023" Dia. Each
No. 519B - 2" Long Tail, .025" Dia. Each

HAMMER SPRING DRILL

(not shown)
No. 3472 - Hammer Spring Drill .025" Dia. Each



SPINET HAMMER BUTT SPRINGS

No. 3777 - Each



UPRIGHT JACK SPRINGS

No. 527A - .015 x 1". Each



SPINET JACK SPRINGS

No. 3776 - .015 x 25/32". Each



DAMPER LEVER SPRINGS

No. 538A - .029 Dia. Medium. Each
No. 538B - .033 Dia. Heavy. Each



BUTT SPRINGS

No. 3736 - Per 100



STEINWAY REPETITION SPRINGS

No. 367 - Bass .035" Dia. Each
No. 368 - Treble .032" Dia. Each



FLANGE SCREWS

No. 1547 - 8 x 3/4". Per 100
No. 1548 - 9 x 7/8". Per 100



558A



558B



559G

GRAND CAPSTAN SCREWS

Polished heads with holes. Solid brass.

No. 558A - 1-1/8" Long. Each
No. 558B - 1-3/8" Long. Each
No. 559G - 1-1/8" Long. Each



SQUARE SHOULDER CAPSTAN SCREWS

Steel, brass plated. Length shown is overall.

No. 559B - 1-1/2" Long. Each
No. 559D - 13/16" Long. Each



MOORE CAPSTAN SCREWS

Solid brass, nickel plated.

No. 559M - 1-3/8" Long. Each



DAMPER BUSHINGS

3/8" x 0.171" O. D. Supplied with screws.

No. 1026B - Solid Brass. Each
No. 1026 - Aluminum, not cross drilled. (not shown). Each
No. 518S - Replacement Screws. Each

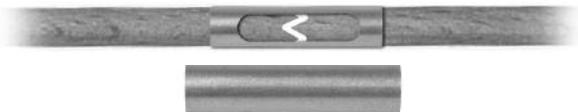


FLANGE SCREW WASHERS

3/8" O. D. Helps prevent split flanges.

No. 920 - Per 90

REPAIR ITEMS



HAMMER SHANK REPAIR SLEEVES

A quick and permanent method in the repair of broken hammer shanks. Choice of two styles.

No. 3505 - A seamless brass tube with very thin wall. Each



No. 3506 - A seamless metal tube with split that can be drawn tight against hammer shank. Each

PENISTEN WHIPPEN REPAIR PIN

For repairing whippens that have broken at or above the pin hole. A necessity for repairing obsolete whippens.

No. 298 - Each



REPAIR FLANGES

For replacing in the solid flange rail section. Heavy brass.

No. 517 - Each



REPAIR DAMPER SPRINGS

Held in place by the flange screw. Simply back the screw out two or three turns, insert spring and tighten screw to complete installation.

No. 1538A - For Uprights. Each

No. 1538B - For Spinets. Each



BRASS FLANGE ACCESSORIES

REPAIR CLIPS

Necessary when the tongue has broken at the screw hole. Heavy brass.

No. 513B - Each



REPAIR CLIPS

Special for Kimball pianos. Heavy brass.

No. 513KA - Each



BUTT PLATES

Extra heavy brass; without threads. For Kimball pianos.

No. 518-1/2 - Each



BUTT PLATES

Extra heavy brass; with screws.

No. 518A - Each



REPAIR CLIP AND BUTT PLATE SCREWS

No. 518S - Each

BRASS FLANGE RAIL DUPLICATION

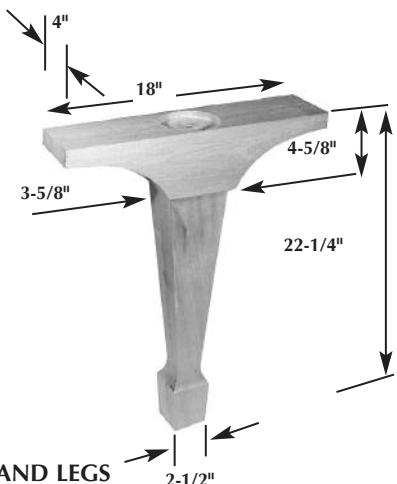
Now a duplication service for brass flange rails! We can duplicate all 1" rails only, from your sample rail or a carefully marked pattern.

When sending a paper pattern, be sure to accurately show the center line of each butt, the overall length of each section and the exact location of the mounting holes. Flange sections are furnished complete with butt plates and screws. Single Sections.

No. 595 - Each



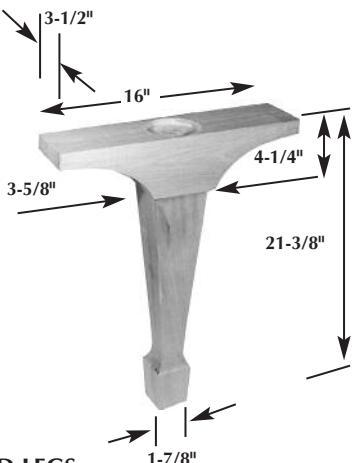
UNFINISHED CASE PARTS



SPADE GRAND LEGS

Made of selected hard maple. Finely sanded and ready for finishing, drilled for upper plates and casters. All legs are the same length.

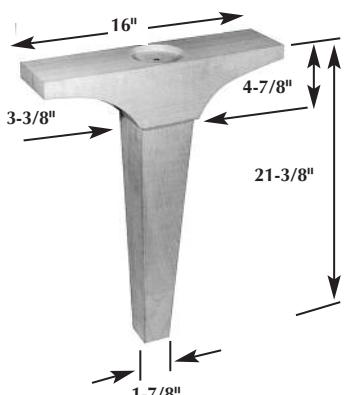
No. 841 - For Grands over 6'. 22-1/4" high. Each



SPADE GRAND LEGS

Made of selected hard maple. Finely sanded and ready for finishing, drilled for upper plates and casters. All legs are the same length.

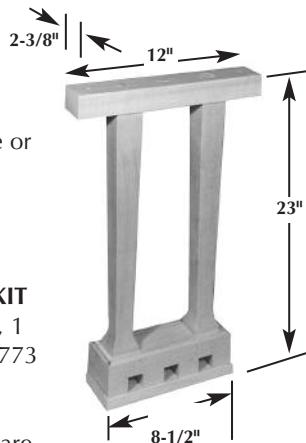
No. 842 - For Grands under 6'. 21-3/8" high. Each



STRAIGHT TAPERED GRAND LEGS

Same dimensions as No. 842 except straight tapered style. Use of our No. 964C cast brass leg ferrule is suggested. 21-3/8" high.

No. 843 - For Grands 6' and under. Each



GRAND LYRE

Made of selected hard maple or birch. Spade style 23" high.

No. 845 - Grand Lyre. Each

SOLID BRASS LYRE PEDAL KIT

Consists of: 1 Set 998 Pedals, 1 Pair 770C Lyre Braces, 1 Set 773 Pedal Rods, 3 Pair of Pedal Brackets. (not shown)

No. 849 - Grand Lyre Hardware Kit. Per Set



STEINWAY STYLE WOOD LYRE BRACES

Hand turned from selected hard maple. Finely sanded and ready for finishing.

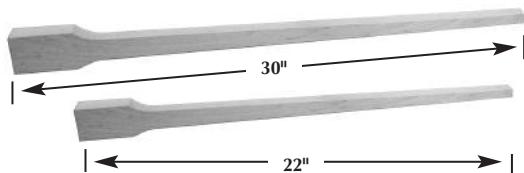
No. 859 - Steinway Style Wood Lyre Braces. Each



GRAND PROP STICK

Steinway style with short stick. Overall length of long stick 31". Made of plain hardwood, unfinished.

No. 851 - Grand Prop Stick. Each



GRAND LID PROPS

Made of selected hard maple, finely sanded and ready for finishing.

No. 847 - 30" long x 2-1/2" wide x 7/8" thick. Each

No. 848 - 22" long x 2" wide x 7/8" thick. Each

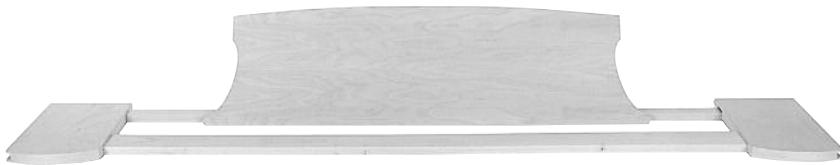
MAHOGANY VENEER

First quality, for case and key repair. Pieces are approximately 3" X 12".

No. 850 - Mahogany Veneer. Each



MUSIC DESKS



COMPLETE GRAND MUSIC DESKS

Made from selected hardwood maple. Furnished unassembled, unfinished but finely sanded, ready for finishing. Authentic styling and easy assembly make these desks a convenient solution when a desk is damaged or missing. Simply cut the rails to the proper width. Furnished with necessary hardware (3 each #567B Brass Butt Hinges, 1 each #941 Grand Desk Rest, and screws).

No. 1850H - Complete Grand Music Desk. Each

MUSIC DESKS

Unfinished, finely sanded maple veneer, edges are roughly sanded. 1/2" thick



SCROLL TYPE

No. 856AH - 26" Wide x 8-1/2" High.
Maple Veneer. Each
No. 856BH - 28" Wide x 8-1/2" High.
Maple Veneer. Each



TRADITIONAL TYPE

No. 857AH - 28" Wide x 9-1/2" High.
Maple Veneer. Each
No. 857BH - 30" Wide x 9-1/2" High.
Maple Veneer. Each
No. 858CH - 34" Wide x 9-1/2" High.
Maple Veneer. Each



DECORATIVE SCROLL TYPE

No. 857CH - 30" Wide x 9-1/8" High, Maple Veneer. Each

ASSORTMENT KITS



ASSORTMENTS

Special assortments of popular rubber nails, desk knobs, screws, hinge pins and other small items frequently ordered. Conveniently packaged in clear plastic boxes. These practical assortments will save you time and money, and enable you to see what you have when you need it.

RUBBER NAILS & BUTTONS

10 each of 17 sizes and colors of rubber nails and buttons plus 1-1/2 dozen assorted wood top buttons.
No. SP1 - Rubber and Nail Button Kit. Each

DESK KNOBS

32 pair assorted wood and brass desk knobs and buttons.
No. SP2 - Desk Knob Kit. Each

HINGE PINS, DESK HINGES & KEYS

7 dozen popular size hinge pins. 1 Pair Steinway Ball Tip hinge pins. 6 each Triangular Upright Keys. 2 pair desk hinges with screws.

No. SP3 - Hinge Pin, Desk Hinge and Key Kit. Each

FLAT HEAD STEEL WOOD SCREWS

18 sizes of flat head wood screws – 378 pieces.
No. SP4 - Flat Head Steel Screw Kit. Each

ROUND STEEL WOOD SCREWS

18 sizes of round head wood screws – 408 pieces.
No. SP5 - Round Steel Screw Kit. Each

BRASS AND NICKEL PLATED WOOD SCREWS

18 sizes of oval head and flat wood screws brass plated and nickel plated – 570 pieces. All are popular sizes used on piano hardware and hinges.

No. SP6 - Brass and Nickel Plated Wood Screw Kit. Each

DESK KNOBS AND BUTTONS

SOLID BRASS DESK KNOBS

Specify wood screws or machine screws.

No. 350A - 5/8" Dia., 5/8" Height. Each



No. 350B - 1/2" Dia., 1/2" Height. Each



5/8" Dia., 5/8" Height

No. 350C - Antique bronze. Each



No. 350D - Satin Brass. Each



No. 350E - 9/16" Dia., 1/2" Height. Each

WOOD DESK KNOBS

Finishes (red mahogany, brown mahogany, or walnut)

MEDIUM BORED TYPE

Bored for screws and bumpers (included)

No. 360 - Finished. Each
(Specify finish)



LARGE BORED TYPE

Bored for screws and bumpers (included)

No. 360-1/2 - Finished. Each
(Specify finish)
No. 360-1/2U - Unfinished. Each



MEDIUM SCREW END TYPE

No. 361 - Finished. Each
(Specify finish)

No. 361U - Unfinished. Each



LARGE SCREW END TYPE

No. 362 - Finished. Each
(Specify finish)

No. 362U - Unfinished. Each



PEG END TYPE

No. 362-1/2 - Finished. Each
(Specify finish)

No. 362-1/2U - Unfinished. Each



WOOD TOP BUTTONS

No. 359-1/2E - Finished Ebony. Pkg. 10

No. 359-1/2U - Unfinished. Pkg. 10



RUBBER HEAD NAILS

Specify black, brown or white.

No. 355-1 - 5/8". Pkg. 10

No. 355-2 - 1/2". Pkg. 10

No. 355-3 - 3/8". Pkg. 10



RUBBER BUTTONS

Specify black, brown or white.

(White not available in 356A)

No. 356A - Stem Dia. 9/32". Pkg. 10
Head Dia. 7/16". Pkg. 10



No. 356B - Stem Dia. 3/16". Pkg. 10
Head Dia. 7/16". Pkg. 10



No. 356C - Stem Dia. 3/16". Pkg. 10
Head Dia. 5/16". Pkg. 10



No. 357 - Stem Dia. 11/32". Pkg. 10
Head Dia. 7/16". Pkg. 10



No. 358 - Stem Dia. 7/16". Pkg. 10
Head Dia. 9/16". Pkg. 10



FLAT TOP BUTTONS

With flat knurled top. For Steinway. 1/2"
Top dia., 5/16" Stem dia., 5/16" long
stem. Specify black or brown.

No. 356D - Pkg. 10



SELF ADHESIVE RUBBER BUTTONS

Apply quickly & conveniently. 7/16" diameter, 3/16" high. For use on
fallboards, benches and grand lids.
Will adhere to almost any surface.
Specify black, brown or clear.

No. 363 - Pkg. 28



BOLT HOLE PLUGS

For plugging holes in piano backs where case
screws were installed. Nylon neutral dyed color.

No. 550 - Pkg. 10



RUBBER BOLT CAPS

For bottom bolts and top supports on Upright
pianos. Black rubber. 19/32" high; 15/32" OD.

No. 359 - Pkg. 10



SLOTTED WOOD SCREWS

SLOTTED STEEL WOOD SCREWS

Sold in packages of 100



Size	Flat Head Brass Plated	Flat Head Nickel Plated	Oval Head Brass Plated	Oval Head Nickel Plated
4 x 3/8	F43B	F43N	O43B	O43N
4 x 1/2	F44B	F44N	O44B	O44N
4 x 5/8	F45B	F45N	O45B	O45N
4 x 3/4	F46B	F46N	O46B	O46N
4 x 1	F48B	F48N	O48B	O48N
5 x 5/8	F55B	F55N	O55B	O55N
6 x 1/2	F64B	F64N	O64B	O64N
6 x 5/8	F65B	F65N	O65B	O65N
6 x 3/4	F66B	F66N	O66B	O66N
6 x 1	F68B	F68N	-----	O68N
8 x 1/2	F84B	F84N	O84B	-----
8 x 5/8	F85B	F85N	O85B	O85N
8 x 3/4	F86B	F86N	O86B	O86N

SLOTTED STEEL WOOD SCREWS

Sold in packages of 100

SIZE	Flat Head Plain Steel Only
*10 x 1	F108
10 x 1-1/4	F1010
10 x 1-1/2	F1012
10 x 1-3/4	F1014
12 x 1	F128
12 x 1-1/2	F1212
12 x 1-3/4	F1214
12 x 2	F1216
12 x 2-1/2	F1220

*for soundboard buttons

SLOTTED STEEL FLAT HEAD PLATE SCREWS

Sold in packages of 100

SIZE	Flat Head Zinc Plated	Flat Head Nickel Plated
18 x 1-1/2	F1812Z	F1812N
18 x 2	F1816Z	F1816N
18 x 2-1/2	F1820Z	F1820N
18 x 3	F1824Z	F1824N
20 x 1-1/2	F2012Z	F2012N
20 x 2	F2016Z	F2016N
20 x 2-1/2	F2020Z	F2020N
20 x 3	F2024Z	F2024N
20 x 3-1/2	F2028Z	F2028N
24 x 3-1/2	F2428Z	-----
24 x 4	F2432Z	-----
24 x 4-1/2	F2436Z	-----

FLANGE SCREWS

Each

SIZE	Slotted, Pan Head Zinc Plated
8 x 3/4	1547
9 x 7/8	1548

TOKIWA FLANGE SCREWS

Each

SIZE	Combination Drive Pan Head, Zinc Plated
8 x 7/8	1547FJ
8 x 5/8	1547WJ



FLAT HEAD STEEL WOOD SCREW ASSORTMENT

18 sizes of flat head wood screws – 378 pieces.

No. SP4 - Flat Head Steel Wood Screw Kit. Each

BRASS AND NICKEL PLATED WOOD SCREW ASSORTMENT

18 sizes of oval head and flat wood screws brass plated and nickel plated – 570 pieces. All are popular sizes used on piano hardware and hinges.

No. SP6 - Brass and Nickel Plated Wood Screw Kit. Each

GRAND PIANO HARDWARE AND ACCESSORIES



LID SUPPORT CUP

No. 938 - Solid brass. Each

No. 938N - Nickel plated. Each



FERRULES OR LEG SOCKETS

For grand piano legs. Polished brass.

No. 964A - 1-1/2" inside dimension at top; 5/8" high. Each

No. 964B - 1-3/4" inside dimension at top; 1-1/2" high. Each

No. 964C - 2-1/8" inside dimension at top; 2" high. Each



GRAND PIANO LEG PLATES

For fastening legs to grands. Made of cast iron. No filing required in fitting. Interchangeable. Round style; smaller plate dia. 3-1/4"; larger plate 4-1/4". 2 plates per unit, 3 units in a set.

No. 966 - Per Set



STEINWAY DAMPER FRAME SPRING

No. 1201 - Each



GRAND DESK REST

With staple and rubber cap. 7-1/8" long from knuckle to end. 3 countersunk holes.

No. 941 - Brass. Each

No. 942 - Nickel Plated. Each

No. 941C - Extra Rubber Cap. Per Dozen

No. 941A - Brass Staple. Each

No. 942A - Nickel Plated Staple. Each



HAMMER REST RAIL BOLTS

2-3/4" Long. Includes nuts. 5 pieces per set.

No. 1027 - Set



GRAND RAIL PROP NUTS

Slotted grand rail prop nuts for replacement. Solid Brass.

No. 925 - Each



GRAND KEYBOARD SPRINGS

Blued steel. 5-5/16" x 1/2"; .082 thick.

No. 959 - Each



STEINWAY SOSTENUTO PEDAL SPRING

No. 961 - Each



STEINWAY FALL BOARD SPRINGS

Used at friction end of grand fall board.

No. 960 - Each



GRAND ACTION SHIFTER SPRINGS

Double-end type. No. 16 gauge blued steel.

No. 962 - Double end type. 8-7/16" x 1-3/4". Each



GRAND ACTION BRACKET

It is best to remove the old brackets off each end and refit new ones, aligning the new with old center brackets; if necessary, use a maple block to get the proper spacing by placing the block underneath the bracket so the top of the bracket is the same as the old one. When the end brackets are lined up and screwed in place, repeat the procedure and replace the center brackets. You are now ready to regulate the action.

No. 1076 - For Aeolian. Each



GRAND PIANO LEVERS

Cast iron: black Japanned.

No. 1074 - Each

GRAND PIANO HARDWARE AND ACCESSORIES



AGRAFFES

Solid Brass, threaded agraffes for Steinway and other grands. Available in one, two or three string holes. American Style.

7/32" X 36 Threads

- No. 926S** - Single. Each
- No. 926D** - Standard Double. Each
- No. 926DW** - Wide Double for Steinway. Each
- No. 926T** - Triple. Each

1/4" x 36 Threads

- No. 927S** - Single. Each
- No. 927D** - Standard Double. Each
- No. 927DW** - Wide Double. Each
- No. 927T** - Triple. Each

STEINWAY AGRAFFES

Sold by Set. Please specify model and thread size.

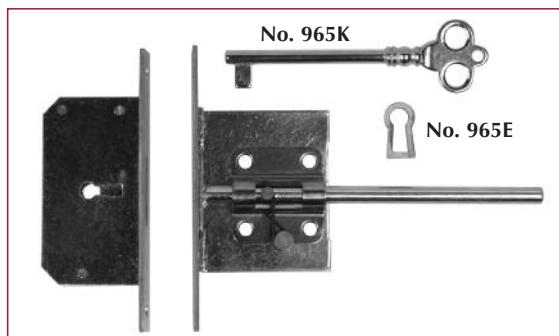
AGRAFFE SHIMMING WASHERS

Thin brass washers for shimming agraffes. 3/8" diameter, 17/64" hole, .010" thick

No. 922 - Per Dozen or Per 100, please specify.



No. 965



GRAND PIANO LOCK

Complete with plunger, escutcheon and key. Satin brass finish. Selvage plate 5/8" x 4-1/16". Plunger plate 3/4" x 4-1/16"

- No. 965** - Complete Lock. Each
- No. 965K** - Extra Key for above. Each
- No. 965E** - Escutcheon. Each

STEINWAY GRAND LOCK KEY

An original replacement part.

No. 965KS - Each



GRAND LOCK ESCUTCHEON

Designed to fit Steinway, some Mason & Hamlin & some Kimball Pianos. Available only in raw brass ready for polishing or plating.

No. 965ES - Each



GRAND LID SUPPORT

Long flap is 12" overall from center of pin; short flap is 2" long.

No. 935 - Solid brass; polished. Each

No. 936 - Solid brass; nickeled. Each

GRAND FALL BOARD HINGES

Brass.

No. 1068 - Per Pair



LYRE BRACES - SOLID BRASS

5/16" diameter

No. 770A - 12-13/16" long, 4 screw holes. Per Pair

No. 770B - 14" long, 4 screw holes. Per Pair

No. 770C - 21" long, 4 screw holes. Per Pair

No. 771 - 23" long, 2 screw holes. Per Pair



LYRE BRACES – BRASS PLATED

5/16" diameter.

No. 971 - 21" long. Per Pair



SOLID BRASS PEDAL RODS

Solid brass, satin finish.

No. 972 - With adjustable collar. 21-1/2" x 1/4" dia. Set of 3

No. 773 - With hex cap and nut. 19-3/4" x 5/16" dia. Set of 3

STEINWAY PEDAL RODS

An original replacement part.

No. 1004 - With hex nut. 20-3/16" Long. Set of 3

GRAND PIANO DESK SLIDES

Polished brass. 14" long.

No. 1072 - Per Pair



GRAND PIANO PEDALS



Solid brass, polished. Overall length 7-1/2". 2-3/4" from center of pin to center of lyre rod hole. 1-5/16" from center of pin to back of horn.

No. 974 - Set of 3



Solid brass, polished. Overall length 7-3/4". No horn. 3-1/16" from center of pin to center of lyre rod hole.

No. 975 - Set of 3



Solid brass, polished. Overall length 8-3/8". 3-1/4" from center of pin to center of lyre rod hole. 1-7/16" from center of pin to back of horn.

No. 976 - Set of 3



Solid brass, polished. Overall length of center pedal 7-3/4", left and right 7-1/4". 3" from center of pin to center of lyre rod hole. 1-1/8" from center of pin to back of horn.

No. 991 - Set of 3



Solid brass, polished. Overall length 7". 2-7/16" from center of pin to center of lyre rod hole. 15/16" from center of pin to back of horn.

No. 992 - Set of 3



Solid brass, polished. Overall length of center pedal 7-3/8", left and right 7". 2-5/16" from center of pin to center of lyre rod hole. 1-1/8" from center of pin to back of horn.

No. 993 - Set of 3



Solid brass, polished. Overall length of center pedal 8-5/8", left and right 8-1/4". 3-1/4" from center of pin to center of lyre rod hole. 1-1/16" from center of pin to back of horn.

No. 994 - Set of 3

GRAND PIANO PEDALS



Solid brass, polished. Overall length of center pedal 7-7/8", left and right 7-7/8". 3-3/16" from center of pin to center of lyre rod hole. 1-1/8" from center of pin to back of horn.

No. 995 - Set of 3



Solid brass, polished. Overall length 8". No horn. 2-3/8" from center of pin to center of lyre rod hole.

No. 1000 - Set of 3



Solid brass, polished. Overall length 6 7/8". 2-11/16" from center of pin to center of lyre rod hole. 1-1/8" from center of pin to back of horn.

No. 997 - Set of 3



Solid brass, polished. Overall length 9". No horn. 2-13/16" from center of pin to center of lyre rod hole.

No. 1002 - Set of 3



Solid brass, polished. Overall length 8". 3-7/16" from center of pin to center of lyre rod hole. 1-3/8" from center of pin to back of horn.

No. 998 - Set of 3



STEINWAY PEDALS WITH PLATE

Available in polished brass or satin nickel. Will fit any Steinway grand piano.

No. 1005 - Polished Brass. Set

No. 1006 - Satin Nickel. Set

UPRIGHT PIANO PEDALS



Solid brass. Right and left pedals 8-3/8" long. Back of horn to center of pin 4-13/16". Center pedal 9-5/8" long. Back of horn to center of pin 5-3/4".

No. 1570 - Set of 3



Solid brass, polished. Right and left pedals 9-3/16" long. Center pedal 9-3/16" long. No horn.

No. 1576 - Set of 3



Solid brass. 8-1/2" long. Back of horn to center of pin 4-13/16".

No. 1571 - Set of 3



Solid brass. 9" long. Back of horn to center of pin 5".

No. 1577 - Set of 3



Cast iron, brass plated with knurled brass toe button. Right and left pedals 8-3/8" long. Back of horn to center of pin 4-7/8". Center pedal 9-1/2" long. Back of horn to center of pin 5-3/4". Center pedal mount 2-1/2" back of horn to center.

No. 1575 - Set of 3

UPRIGHT PIANO PEDALS



Cast iron, nickel plated. Right and left pedals 9" long. Center pedal 9-3/4" long. No horn.

No. 1578 - Set of 3



Cast iron brass cap. 8-3/8" long, back of horn to center of pin 5-1/2". Center pedal with interchangeable steel pin at end or center. Back of horn to center of pin 3".

No. 1581 - Set of 3



Cast iron, nickel plated. Right and left pedals 9-3/8" long. Center pedal 9-3/4" long. No horn.

No. 1579 - Set of 3



Solid brass. 8-7/8" long. Back of horn to center of pin 5".

No. 1582 - Set of 3



Cast solid brass pedal. 8-1/8" long. Back of horn to center of pin 4-3/8".

No. 1583 - Set of 3

UPRIGHT PIANO PEDALS



Cast solid brass pedal 9-1/8" long. Back of horn to center of pin 5-5/16".

No. 1584 - Set of 3



Cast iron, nickel plated. Right and left pedal 9" long. Back of horn to center of pin 5-1/2". Center pedal 9-3/8" long. Back of horn to center of pin 5-3/4".

No. 1589 - Set of 3



Solid brass. Right and left pedals 8-1/2" long, back of horn to center of pin 4-7/8". Center pedal 9" long. Back of horn to center of pin 5-3/8".

No. 1585 - Set of 3



Solid brass. 9" long. No horn.

No. 1593 - Set of 3



Cast solid brass. 8-3/4" long. Back of horn to center of pin 5-1/4".

No. 1586 - Set of 3

PIANO PEDAL HARDWARE AND ACCESSORIES



FELT PEDAL COVERS & TIES

Red felt with red stitching.
No. 578 - Set of 3



PEDAL EXTENSIONS

Permit children to operate pedals from natural sitting position. Adjusts to any height. Very easy to attach...does not interfere with use of master pedals. Nickel plated.

No. 1845 - Per Pair
No. 1845R - Right Pedal Only. Each



PEDAL PROPS

Complete with square nuts. Available in following lengths:
2-1/8", 4", 4-1/2", & 5".

No. 579-2-1/8 - Each
No. 579-4 - Each
No. 579-4-1/2 - Each
No. 579-5 - Each



NORRIS TOE BUTTONS

For replacement on worn pedals. Button diameter 1-3/16".
Shaft diameter 1/4".

No. 2585 - Set of 3



STEEL PEDAL BRACKETS

To replace cast iron type. Feature Nylon bearings. Brackets are stamped steel, with gusset bend at flange for extra strength. Mounting center of bearing is 3/4" from base.

No. 2587 - Nickel Plated. Per pair



RUBBER PIN BUSHINGS

For covering fallboard stop pins, trap pins and for pedal prop bushings.

No. 340 - 3/8" high, 1/4" stem dia., 3/8" base dia.,
1/8" hole. Each
No. 340A - 5/16" high, 11/32" stem dia., 9/16" base dia.,
1/8" hole. Each



STEEL PEDAL BRACKETS

With nylon bushing.

No. 2589 - Per pair



NYLON PEDAL BRACKETS

No. 2590 - Per pair



FLUTED PEDAL PINS

2" long x .156 diameter.
No. 2584 - Each

PIANO PEDAL HARDWARE AND ACCESSORIES



PEDAL BRACKETS

Cast iron, with pivot point bearings.
No. 2582 - Pedal Brackets. Set of 3



AEOLIAN AMERICAN GRAND ACTION SPRING

No. 580 - Grand Action Spring. Each



TRAP LEVER SPRING

No. 593 - Each



NORRIS SPRING

Made of spring steel.

No. 584A - 7/8" high. Each

No. 584B - 1-3/8" high. Each

No. 584C - 1-7/8" high. Each

No. 584D - 3-1/2" high. Each



TRAP LEVER SPRING

Made of spring steel. 4" x 7/8".

No. 587 - Each



CONICAL SPRING

Used to slip under pedals to increase tension and force quick return. No screws necessary.

No. 586 - Each



DESK SPRING

For grand piano key board. Blue steel.

No. 581 - Thin; gauge 23. 3-1/4" long. Each

No. 582 - Medium; gauge 21. 5" long. Each



TRAP SPRING

For pedal or trap action. Blue steel. 4" long.

No. 583T - Thin; gauge 23. Each

No. 583M - Medium; gauge 21. Each

No. 583H - Heavy; gauge 19. Each



TRAP PIN

3" x .155" diameter.

No. 3568 - Each

SOLID BRASS TOP HINGES

AVAILABLE IN SATIN BRASS OR POLISHED NICKEL FINISH.



STRAIGHT STYLE HINGE

5-7/8" x 2".

No. 569B - Brass. Each

No. 569N - Nickel. Each



STRAIGHT STYLE HINGE

5-3/8" X 1-3/4".

No. 2569B - Brass. Each

No. 2569N - Nickel. Each



BENT BUTT STYLE HINGE

5-1/2" x 2". Center of pin to inside of bend 7/8".

No. 669B - Brass. Each

No. 669N - Nickel. Each



BENT BUTT HINGE

5-3/8" x 1-3/4". Center of pin to inside of bend 7/8".

No. 2669B - Brass. Each



BENT BUTT HINGE

Overall length - 5-3/4". Center of pin to inside of bend 1-1/8".

No. 2770B - Brass. Each



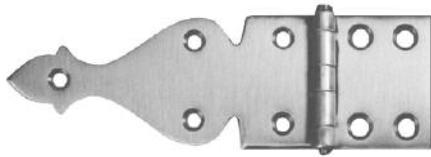
STEINWAY BENT BUTT HINGE (MODELS M & L)

Length of fancy leaf to center of pin 4-5/8". 2" wide.

Center of pin to inside of bend 1-3/16".

No. 2771B - Brass. Each

No. 2771N - Nickel. Each

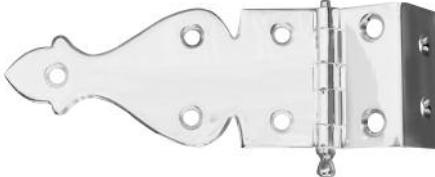


STEINWAY STRAIGHT STYLE HINGE (MODEL D)

Overall Length 4-5/8". 2" wide.

No. 2771-1/2B - Brass. Each

No. 2771-1/2N - Nickel. Each



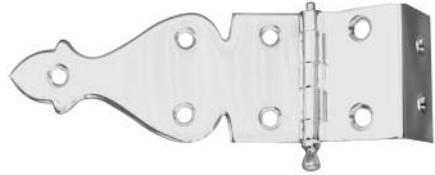
STEINWAY BENT BUTT HINGE (MODEL S)

Length of fancy leaf to center of pin 4-5/8". 2" wide.

Center of pin to inside of bend 1-3/32".

No. 2773B - Brass. Each

No. 2773N - Nickel. Each



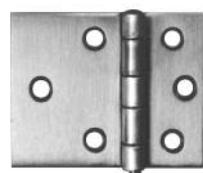
STEINWAY BENT BUTT HINGE (MODEL B)

Length of fancy leaf to center of pin 4-5/8". 2" wide.

Center of pin to inside of bend 1-3/8".

No. 2774B - Brass. Each

No. 2774N - Nickel. Each



TOP HINGE

2" x 2-1/2" unequal leaves.

No. 572B - Brass. Each

No. 572N - Nickel. Each

HINGES AND HARDWARE

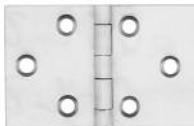
BUTT HINGES

SOLID BRASS IN CHOICE OF SATIN BRASS OR NICKEL PLATED FINISH...STRAIGHT OR BENT BUTT STYLES.
REMOVABLE HINGE PIN.

STRAIGHT HINGE

2" x 3".

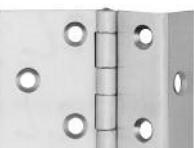
No. 568B - Brass. Each
No. 568N - Nickel. Each



BENT BUTT HINGE

2" x 3".

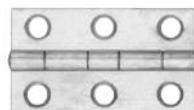
No. 1568B - Brass. Each
No. 1568N - Nickel. Each



BUTT HINGE

1-3/4" x 1".

No. 567B - Brass. Each
No. 567N - Nickel. Each



HINGES

MASON & HAMLIN STYLE

DESK HINGE

Solid brass, satin finish fancy hinge.
1-1/4" wide with 1/2" offset for
Mason & Hamlin grand music desks.
No. 1095 - Hinge. Each



CONTINUOUS HINGES

Screw holes uniformly spaced and countersunk for #4 solid brass screws. Opens 1-1/16" wide. .040 thick. 5' long.
Solid brass.

No. 565B - Brass. Each
No. 565N - Nickel. Each



STEINWAY STYLE SECTIONAL HINGE

An exact replacement. Consists of 11 sections measuring 5" and 1 section measuring 4" held in place by a continuous hinge pin that is 60-5/8" long. Opens 1-1/8" wide. Solid brass. Sold as 1 complete hinge.

No. 565AB - Brass. Each
No. 565AN - Nickel. Each



STEINWAY STYLE ROUND CORNER HINGES

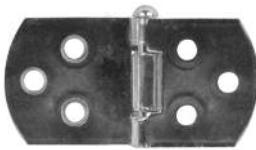
2" wide by 3-1/16". Loose ball tip pin. Solid brass.

No. 570 - Brass. Each
No. 571 - Nickel. Each

TOP HINGE, REVERSE FLAP

1-1/2" wide x 3-1/8" overall.
Steel, brass plated.

No. 2567-1/2 - Each



GRAND DESK SUPPORT HINGE

Four flaps with countersunk screw holes. Solid brass, satin finish. 1" wide x 9" long.

No. 940N - Grand Desk Support Hinge. Each



SOSS INVISIBLE HINGES

For piano fall boards and key slips.
Wherever an invisible joint is desired.
Screws included. Plated steel.

No. 5100N - Nickel. 1" long x 3/8" wide. Each
No. 5100B - Dull Brass. 1" long x 3/8" wide. Each
No. 5101N - Nickel. 1-3/4" long x 3/8" wide. Each
No. 5101B - Dull Brass. 1-3/4" long x 3/8" wide. Each
No. 5102B - Dull Brass. 1-1/2" long x 1/2" wide. Each

UPRIGHT PIANO LOCKS & ACCESSORIES



UPRIGHT PIANO LOCK KIT

Key, striker, escutcheon and lock.

No. 553B - Lock Kit. Each



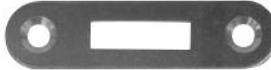
KEY - Triangle lock key.

No. 554 - Each



BRASS THREAD ESCUTCHEONS

No. 555B - Dozen



STRIKER PLATE

No. 556N - Nickel plated. Each

No. 556B - Brass. Each

HINGES AND HARDWARE

HINGE PINS



SOLID BRASS HINGE PINS

For empire top hinges. Available in satin brass or nickel plated. Each

Stock#	Length	Diameter	Finish
No. 3569A	2"	.150"	Brass
No. 3569B	2"	.150"	Nickel
No. 3569C	1-3/4"	.150"	Brass
No. 3569D	1-3/4"	.150"	Nickel
No. 3569E	1-1/2"	.117"	Brass
No. 3569F	1-1/2"	.117"	Nickel
No. 3569K	1-3/4"	.133"	Brass
No. 3569L	1-3/4"	.133"	Nickel
No. 3569M	1-3/4"	.104"	Brass
No. 3569N	1-3/4"	.104"	Nickel



STEINWAY STYLE HINGE PINS

Solid brass.

No. 3569G - Straight Ball Tip Type. 2" x .150". Each

No. 3569H - Bent Type. 2" x .140". Each

(same style as #3569A above)

UPRIGHT PIANO HARDWARE

TOP LID SUPPORT

For upright pianos. With rubber cap. 4" long.

No. 560 - Each



FRONT FRAME CATCHES

No. 594 - Pair



TOP FASTENERS

Used to hold upright piano tops securely to prevent vibration and warping. Spring type, bronze finish.

No. 1098 - Pair



PANEL SPRINGS

Blue steel; 13/16" W

No. 585A - 5" long. Each



FALLBOARD & MUSIC DESK HINGES & HARDWARE

MUSIC DESK REST HINGES

Includes fasteners.

No. 1064 - Small. Pair

No. 1065 - Large. Pair



FALLBOARD HINGES

No. 1066 - Brass. Pair



PIANO BENCH HARDWARE

STEEL BENCH LEG BRACES

3-1/8" W x 2-1/2" H.

No. 577 - Each



LEG FERRULES

ID 1-5/32" W x 1-3/32" H.

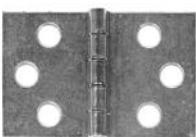
No. 677 - Each



BENCH HINGES-STEEL, BRASS PLATED

Stock #	Length	Width
	Along Pin	When Open
No. 575	1-1/4"	1-7/8"
No. 575A	1-9/16"	1-3/4"

*No. 575A has unequal leaves.



LID SUPPORTS

No. 576 - Each



BENCH LEG BOLTS, LOCKWASHERS AND NUTS

No. 1081A - 5/16" x 2". Per set of 4

No. 1081B - 5/16" x 2-1/2". Per set of 4



PLASTIC NAIL GLIDES

For piano benches and other furniture.

Silent, non-marking.

No. 1085A - 5/8" Diameter. Each

No. 1085B - 3/4" Diameter. Each



CASTERS



SUPERIOR QUALITY SERVING THE MUSIC INDUSTRY

GRAND PIANO CASTERS

FOR GRANDS

Solid brass 1-3/4" diameter wheels. Supplied with square CS1 pressed-steel sockets.

No. 981 - Set of 3



FOR GRANDS

Solid brass 1-3/8" diameter wheels. Supplied with square CS1 pressed-steel sockets.

No. 980 - Set of 3



FOR GRANDS

Solid brass, nickel plated 1-3/4" diameter wheels. Supplied with square CS1 pressed-steel sockets.

No. 977 - Set of 3



FOR GRANDS

Solid brass, nickel plated 1-3/8" diameter wheels. Supplied with square CS1 pressed-steel sockets.

No. 2620 - Set of 3



DUAL & SINGLE RUBBER WHEEL CASTERS

FOR UPRIGHTS AND GRANDS

Twin Rubberex wheels with 2" diameter and 3/4" face on each wheel. Double ball-bearing swivel stem fits standard round or square, pressed-steel sockets used on uprights and grands. Supplied with wood ferrules and pressed-steel sockets. An excellent caster for pianos in churches and schools. Brown oxidized finish. 160 lb. capacity each.

No. 1592 - Set of 4 with round CR1 sockets

No. 1592A - Set of 3 with square CS1 sockets



FOR UPRIGHTS AND GRANDS

Same description as No. 1592, except with single wheels with 2" diameter and 13/16" face on wheels. Brown oxidized finish. 80 lb. capacity each.

No. 1591 - Set of 4 with round CR1 sockets

No. 1591A - Set of 3 with square CS1 sockets



UPRIGHT PIANO CASTERS

FOR UPRIGHTS

Cast-iron 1-7/8" diameter wheels. Round cast-iron sockets are fixed in place.

No. 589 - Set of 4



FOR SPINETS AND CONSOLES

Solid Brass 1-3/8" diameter wheels. Supplied with round CR3 pressed-steel sockets.

No. 982 - Set of 4



FOR SMALL STUDIO UPRIGHTS

Cast-iron 1-3/8" diameter wheels. Supplied with round CR3 pressed-steel sockets.

No. 1588 - Set of 4



FOR UPRIGHTS

Cast-iron 1-3/4" diameter wheels. Supplied with round CR3 pressed-steel sockets.

No. 4588 - Set of 4



FOR SPINET OR CONSOLES

Solid brass 1-1/4" diameter wheels, 11/16" face, for the front free legs. Supplied with CR7 plastic sockets.

No. 978 - Set of 4



FOR SPINET OR CONSOLES

Solid brass 1-1/4" diameter wheels with rubber tread, 11/16" face, for the front free legs. Supplied with CR7 plastic sockets.

No. 2625 - Set of 4



CASTERS



DARNELL SUPERIOR QUALITY CASTERS. - FEATURES A HEAVY DUTY DURABLE BALL BEARING SYSTEM. EXCELLENT FOR SCHOOLS, CHURCHES OR ANY FACILITY THAT MOVES PIANOS FREQUENTLY. SINGLE WHEELS RATED AT 125 LB LOAD CAPACITY. DUAL WHEELS RATED AT 200 LB LOAD CAPACITY.

FOR UPRIGHTS

Single, rubber-fibre wheel with 2" diameter and 1" face. Features a double ball-bearing swivel; upper row carries load weight, and lower row the side thrust. Supplied with removable, round CP1C, cast-iron sockets with 4 screw holes.

No. 591 - Set of 4



FOR UPRIGHTS

Same description as No. 591 except with twin rubber-fibre wheels with 2" diameter and 3/4" face on each wheel. CP1C sockets.

No. 592 - Set of 4



FOR UPRIGHTS AND GRANDS

Single, rubber fibre wheel with 2" diameter and 1" face. Features a double ball-bearing swivel; upper row carries the load weight, and lower row takes up all the side thrust. Standard stem (.435 x 1-3/8") for use with round CR3 or square CS3, pressed-steel sockets.

No. 2591 - Set of 4 with round CR3 sockets

No. 2591A - Set of 3 with square CS3 sockets



FOR UPRIGHTS AND GRANDS

Same description as No. 2591 except with twin, rubber fibre wheels with 2" diameter and 3/4" face on each wheel.

No. 2592 - Set of 4 with round CR3 sockets

No. 2592A - Set of 3 with square CS3 sockets



PRESSED-STEEL SOCKETS

PRESSED-STEEL ROUND

2-1/8" diameter without lock notch, for use with our No. 1591+1592 only.

No. CR-1 - Each



PRESSED-STEEL ROUND

2-1/8" diameter.

No. CR-3 - Each



PRESSED-STEEL ROUND

1-3/8" diameter.

No. CR-5 - Each



PRESSED-STEEL SQUARE

1-5/8".

No. CS-1 - Each



PRESSED-STEEL SQUARE

1-1/2".

No. CS-3 - Each



FOR GRANDS

Single, rubber-fibre wheel with 2" diameter and 1" face. Features a double ball-bearing swivel; upper row carries the load weight, and lower row takes up all the side thrust. Supplied with removable, square CP2C, cast-iron sockets with 4 screw holes.

No. 591A - Set of 3



FOR GRANDS

Same description as No. 591A except with twin, rubber-fibre wheels with 2" diameter and 3/4" face on each wheel. Supplied with removable square CP2C, cast-iron sockets with 4 screw holes.

No. 592A - Set of 3



FOR STEINWAY UPRIGHTS AND GRANDS

2" diameter, solid brass wheel with a 1" face and a 1/2" diameter friction ring stem.

No. 596 - Set of 4 with round CP-1C sockets

No. 596A - Set of 3 with square CP-2C sockets



FOR STEINWAY UPRIGHTS AND GRANDS

1-1/2" diameter solid brass wheel with a 3/4" face and a 1/2" diameter friction ring stem.

No. 597 - Set of 4 with round CP-1C sockets

No. 597A - Set of 3 with square CP-2C sockets



CASTER SOCKETS

PLASTIC ROUND

1" Furniture Stem for use with our No. 978+979 casters only.

No. CR-7 - Each



CAST METAL SOCKETS

For use with Darnell friction ring stems.

No. CP-1C - Cast Metal Round
2-1/4" diameter. Each



No. CP-2C - Cast Metal Square
1-13/16". Each



WOOD CASTER BUSHINGS

To insert in the holes left by old style cast iron caster sockets when installing modern stem casters.

No. CWF - Each



CARDBOARD CASTER WASHERS

Used to level pianos or shimming caster sockets. 1-3/4" O.D., 3/4" hole, .060" thick.

No. 1670 - Each



SOLID BRASS CASTERS

An exacting replacement. Imported from Europe. sold **EACH**

GRAND CASTER

No. 2600 - 1" Wheel width
2" Wheel diameter
7/8" Socket diameter



GRAND CASTER

No. 2602 - 2-3/8" Wheel width
1-7/8" Wheel diameter
13/16" Socket diameter



GRAND CASTER

No. 2604 - 2-3/8" Wheel width
1-7/8" Wheel diameter
1-1/8" Socket diameter



CONCERT GRAND CASTER

No. 2605A - 3-3/8" Wheel width
3-1/2" Wheel diameter
1-1/8" Socket diameter

No. 2605B - Same dimensions as above except with brake.



GRAND CASTER

No. 2601 - 1-1/2" Wheel width
1-7/8" Wheel diameter
13/16" Socket diameter



GRAND CASTER WITH FERRULE

No. 2603 - 2" Wheel width
1-3/4" Wheel diameter
13/16" Socket diameter
2" Inside width of ferrule



RESTORERS & TREATMENTS

LUNSFORD'S INSTANT PIN-TITE

Tightens in MINUTES, restores pin block permanently, preserves and protects wood, remains dry, tune within hour - 20 minutes in many cases, and also tightens instantly many action parts, cases, benches, and stripped screw holes. 8 oz Bottle.

No. 1347 - Each



HAMMER FELT HARDENER

Lacquer free formula. May be applied to the shoulders of the hammer as well as the striking surface. 8 oz. Bottle.

No. 1404 - Each.



"BRITE-TONE" HAMMER HEAD SOLIDIFIER

For restoring lost tone to soft hammers. In use, apply a small amount along top and bottom surface of hammer to within 1/2" of striking point. Do not apply on striking surface.

No. 499-8 - 8 oz. Bottle. Each



GARFIELD PIN BLOCK RESTORER

This success of GARFIELD PIN BLOCK RESTORER has brought about many imitations. There is only one original and genuine GARFIELD Restorer - made by a formula developed by Wm. M. Garfield after 40 years' experience as a tuner and technician. For your own protection, insist upon it. GARFIELD'S PIN BLOCK RESTORER has these important features: It comes in liquid form...easy to apply with a syringe or eye dropper. It penetrates into the cells of the wood to restore its holding power. It contains no oil...will not evaporate. Its effectiveness improves with age...in one week the pins are tight enough to permit tuning. It prevents rust...will not affect glue. 4 oz bottle. Must be diluted with equal amounts of denatured alcohol.

No. 1346 - Each

LUBRICANTS

PROTEK CLP (CLEANER, LUBRICANT, PROTECTANT)

PROTEK CLP is made from space-age polymers. Protek removes verdigris and protects against future build-up by coating the center pin and sealing the felt from moisture thus preventing oxidation. Unlike silicone, protek will not run, dry out or become ineffective. Since Protek will not harm wood, plastic, metal or the piano finish, it is excellent for damper guide rail bushings, underlever lubrication, front and balance rail pins, capstan screws and squeaky knuckles.

No. 1406 - Protek CLP, 4 oz bottle. Each
No. 1407 - Protek CLP, Quart bottle. Each
No. 1407-128 - Protek CLP, Gallon. Each



PROTEK PROLUBE

An advanced state polymer spray lubricant. Designed for high friction areas like the keybed and frame. Great for keypins and grand damper wires. Provides long-lasting, durable lubrication. Prolube has very little odor, and is environmentally safe.

No. 1408 - 4 oz. Spray Bottle. Each
No. 1412 - 16 oz. Spray Bottle. Each
No. 1413 - Quart Bottle. Each



PROTEK MPL-1

A clean, high technology, grease type lubricant which is quickly replacing graphite grease and VJ lube. It can be used on all wood to wood, wood to metal, and metal to metal applications. MPL-1 has very high adhesive properties that bond to the applied surface, and it has an exceptionally long life span. As with the Protek CLP, the MPL-1 is non-toxic and environmentally safe.

No. 1409 - 2 oz. Jar. Each



CENTER PIN LUBRICANT

Relieves sticky actions. Loosens rust on contact point of strings and bearing bars.

No. 524A - 4 oz. Bottle. Each
No. 524B - 16 oz. Bottle. Each
No. 524C - 32 oz. Bottle. Each



MICRO-FINE PTFE POWDER

Excellent on knuckles.

No. 468 - 1 oz. Jar. Each
No. 468-4 - 4 oz. Jar. Each



TFL-50 DRY LUBRICANT

Delivers a high proportion of solids to vehicle, making it quick-drying as well as economical to use. Non-hardening base leaves a light but permanent coating. Suitable for wood, metal, leather and felt. Can be applied to action parts (including knuckles), key-frame pins, keybeds, pedal rods or where a dry coating is desired for lubrication and noise reduction.

No. 1418 - 5 oz. Aerosol. Each
No. 1419 - 10 oz. Aerosol. Each



TFL-50 WET LUBRICANT

This is a synthetic wet lubricant containing liquid nylon. It is excellent for use on metal to metal, wood to metal, some cloth to metal (damper rod hangers) and leather to metal. It is especially good where grease based lubes will not penetrate.

No. 1420 - 5 oz. Aerosol. Each
No. 1421 - 10 oz. Aerosol. Each



MCLUBE 444A LUBRICANT

Colorless lubricant used on keyframes, keybeds, action return springs and trap work. Apply lightly to Capo bar and V-bar prior to stringing to improve string rendering. Used for resurfacing bridges and whippens when DAG has been removed.

No. 444-4 - 4 oz. liquid with swab applicator. Each
No. 444-16 - 16 oz. liquid. Each
No. 444-S - 16 oz. aerosol. Each



MCLUBE 1725L LUBRICANT

Colorless lubricant for center pins, key pins, and player motors, etc.

No. 1411 - 16 oz. Aerosol Spray. Each



MCLUBE 1708L LUBRICANT

Blend of PTFE and MoS₂ lubricants. Dark gray. Substitute for graphite on bridges, repetition levers, jacks, etc. Will not rub off.

No. 1410 - 16 oz. Aerosol Spray. Each



LUBRICANTS AND ADHESIVES

ACHESON DAG® 154

GRAPHITE LUBRICANT

Can be applied with a fine brush to bridge caps, jack heels and noses, slots and tops of repetition levers, pedals and all types of action springs. This long lasting graphite dries rapidly and comes in a 4 oz. jar.

No. 461 - Dag® 154 Graphite. Each



DRY GRAPHITE POWDER

Ideal for lubricating wood surfaces of piano actions and preventing friction. Absolutely dry and free from grit.

No. 414-6 - 1 lb. Can. Each



GRAPHITE GREASE

Thick grease impregnated with graphite. Useful for lubricating trapwork, player mechanisms, etc..

No. 414A - 2 oz. Jar. Each



"SQUEAK DOUSE"

For piano action parts. "Squeak Douse" is graphite, held permanently in suspension, for lubricating center pins, pedals, damper control rods and all parts of the trap action. "Squeak Douse" will not stick or gum, and because of its exclusive penetrating quality, it is more effective than oil for reaching the source of aggravating squeaks.

No. 412-4 - 4 oz. Bottle. Each

No. 412-16 - 16 oz. Bottle. Each



TUBE-O-LUBE

Extra fine graphite for use on metal, wood or plastic.

No. 413 - 6 grams. Each



DRI-SLIDE® LUBRICANT

Not an oil, but molybdenum disulfide. Added to penetrating additives and solvents that dissipate to leave a dry, slick surface.

No. 1471 - 4 oz. Each

HOT STUFF™ CYANOACRYLATE ADHESIVES

Instantly Bonds Any Combination Of:

- WOOD • WOOD PRODUCTS • OILY & WET WOODS • PLASTICS • CERAMICS • METALS
- LAMINATES • TILE • CULTURED PRODUCTS • FIBERGLASS • ACRYLICS • CORK • FABRICS
- LEATHER • NATURAL STONE • RUBBER • VINYL AND MANY OTHERS



Hot Stuff adhesive's high performance formula bonds almost any surface in minutes. Glue joints are permanently strong and possess the flexibility which is lacking in many other adhesives. Be sure to match the viscosity to the job. Shelf life up to 1 year.

No. 1461 - 2 oz. Original "Hot Stuff", Thin (Red Label). Each

No. 1462 - 2 oz. Super "T" Medium Gap Filling (Orange Label). Each

No. 1463 - 2 oz. Special "T" Ultra Gap Filling (Green Label). Each

No. 1464 - 2 oz. NCF Accelerator. Each

No. 1465 - Replacement spray pump for No. 1464. Each (not shown)

No. 1466 - 2 oz. Ultra Solvent Debonder. Each

No. 1467 - 6 oz. NCF Quick Aerosol Accelerator. Each

No. 1468 - Pro Tips for No. 1461 only. Dozen

No. 1469 - Replacement Spouts and Caps. Each



HOT STUFF COMPLETE GLUE KIT

Includes 2 oz. ultra thin (Red Label), 2 oz. medium (Orange Label), 2 oz. thick (Green Label), 2 oz. NCF accelerator, 2 oz. super solvent debonder, 1 dozen pro tips, 1 dozen spouts with caps and a guide for applications.

No. 1460 - Each

ADHESIVES

PVC-E GLUE

Is an excellent adhesive for key covers, pneumatic and bellows cloth as well as any other cloth, felt or leather material. This glue dries clear and can be thinned up to 5% with water.

No. 387-16 - PVC-E Glue (Pint). Each
No. 387-32 - PVC-E Glue (Quart). Each
No. 387-128 - PVC-E Glue (Gallon). Each



DRY CABINET GLUE

Fine quality glue, made from fresh, selected animal trimmings. For best results, soak glue overnight. In morning, cook glue under 100° F for 30 minutes; then, turn heat up to 150° F. Keep glue cooker well covered to prevent evaporation.

No. 399-1/2 - In ground form. Per lb.

FRANKLIN TITEBOND®

ORIGINAL WOOD GLUE

Aliphatic resin Glue. High strength, easy spreading ... invisible when dry. Heat, impact and solvent resistant. In plastic squeeze bottles.

No. 392-1 - 1.35 oz. Bottle. Each
No. 392-4 - 4 oz. Bottle. Each
No. 392-8 - 8 oz. Bottle. Each
No. 392-16 - 16 oz. Bottle. Each
No. 392-32 - 32 oz. Bottle. Each
No. 392-128 - Gallon. Each



FRANKLIN TITEBOND®

LIQUID HIDE GLUE

Ready to use; no heating or mixing necessary. Odorless and stainless. Spreads evenly.

No. 401-4 - 4 oz. Bottle. Each
No. 401-8 - 8 oz. Bottle. Each
No. 401-16 - 16 oz. Bottle. Each



FRANKLIN TITEBOND®

MOLDING GLUE

Thick consistency. Ideal for hammer hanging.

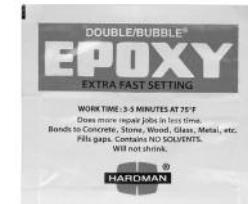
No. 391-8 - 8 oz. Bottle. Each



GOO ALL-PURPOSE ADHESIVE

Handy for replacement of old ivories, and for quick replacement of loose adjustment corks on clarinets and saxophones.

No. 400 - Tube. Each



HARDMAN DOUBLE/ BUBBLE EPOXY

Convenient foil package of extra fast setting epoxy cement. Bonds stone, wood, glass, and metal in 3 to 5 minutes. Net weight 4 grams. Perfect for your tool case for on the job use.

No. 388 - Each



FIVE MINUTE EPOXY GLUE

Known as the strongest type of glue in the world. Ideal for repairing broken action brackets and pedals. Bonds metal, wood, plastic, rubber and fabric.

No. 406 - Each

CORY PIANO CARE PRODUCTS

SUPER HIGH-GLOSS POLISH

Specially formulated to clean and protect high-gloss polyester, polyurethane and lacquer finishes in one easy step. UV Shield protection helps prevent fading.

No. 1430 - 8 oz. Spray. Each

No. 1431 - 32 oz. Bottle. Each

No. 1430-128 - Gallon. Each



SATIN SHEEN

Remarkable cleaning and conditioning properties make maintaining the satin ebony finish easy. Satin Sheen is anti-static making it a great dust repellent.

No. 1432 - 8 oz. Spray. Each

No. 1433 - 32 oz. Bottle. Each



HARMONY DETAILING OIL

A premium blend of the finest oils that safely moisturizes and shines all lacquer piano case parts, soundboards, plates, damper heads and hardware.

No. 1441A - 8 oz. Bottle. Each



ALL-BRITE

A non-greasy, one step treatment designed to polish and preserve all fine lacquered instrument surfaces. All-Brite protects surfaces against drying and cracking. It's perfect for the lacquered wood finish. Use on pianos, organs, and benches.

No. 1426 - 4 oz. Spray. Each



PRE-POLISH FINISH CLEANER

Removes grime and wax build-up before you polish. Gentle, effective and safe for lacquer, polyester, polyurethane and shellac finishes.

No. 1506 - 8 oz. Spray. Each



KEY-BRITE

Cleans, brightens and preserves all plastic, ivory and wood keyboards. Just spray directly onto keys and gently wipe them clean, bringing back their original luster and gleam.

No. 1429 - 4 oz. Spray. Each



BUFF-BRITE

A high-tech, water base buffering compound that gently removes fine scratches from all high polish finishes. Specially formulated to clean and buff brass nameplates, lock plates, nickel and silver, hardware. Ideal for removing oil build-up from fingerprints on polyurethane satin finishes.

No. 1437 - 4 oz. Bottle. Each



SCRATCH-BRITE

Colors and repairs surface scratches on all walnut, mahogany, maple and pine instruments and furniture.

No. 1440 - 4 oz. Bottle. Each



COCONUT WOOD CLEANER

This all-natural cleaner deep cleans grime and wax build-up from wood surfaces. Use as pre-cleaner before initial application of Cory polishes.

No. 1441B - 4 oz. Spray. Each



MOLD & MILDEW ODOR ELIMINATOR

Penetrates wood cells and fabric fibers to neutralize odors. Especially effective on the common odor of pianos that have been left in storage for long periods of time. Can literally be applied to any area of the piano without harm and is applied by spraying or applying to a cloth. Must dry completely for the process to be effective.

No. 1507 - 8 oz. Spray. Each



FREE PRIVATE LABEL Buy 1 case (36 pieces) of any Cory product and we will customize the bottle with your name and logo for free! Use labeled 2 oz. bottles as business cards and giveaways for referrals. Call for details.

PIANO CARE PRODUCTS

FIRE-CLEAN TOBACCO ODOR ELIMINATOR

Specially formulated for stubborn tobacco odor removal in one easy step. Professional strength counteractant and encapsulant. Use on finished or bare wood, counter tops, vinyl or fabric. We recommend testing for color fastness before full application.

No. 1503 - 8 oz. Pump. Each



CAT & MOUSE URINE DEFECTOR

Pet-friendly but destroys odors caused by all animal urine or feces. Designed for complete odor elimination. By transforming a gas into a solid, this product encapsulates the order and destroys it.

No. 1504-8 - 8 oz. Spray. Each



CARE KITS

FOR LACQUERED WOOD PIANOS

Contains Key-Brite, All-Brite, one Polisher Cloth and one Cleaner Cloth.

No. 1439A - Kit. Each



FOR POLYESTER, POLYURETHANE, OR LACQUERED HIGH GLOSS PIANOS

Contains Key-Brite, Super High-Gloss Polish, one Polisher Cloth and one Cleaner Cloth.

No. 1439B - Kit. Each

FOR SATIN EBONY PIANOS

Contains Key-Brite, Satin Sheen Polish, one Polisher Cloth and one Cleaner Cloth.

No. 1439C - Kit. Each



TECH DETAILING KIT

Put the perfect finishing touch on the pianos you service with this 7-piece Tech Kit. Includes 1 each 4 oz. Bottle: High-Gloss, Satin-Sheen, All-Brite, Coconut Wood cleaner, Key-Brite and a Power Buffer Cleaner and Polisher Cloth. Carry this kit with you and impress your customers by servicing the outside as well as the inside of the piano.

No. 1439E - Kit. Each



PROSHINE POLISH

PROSHINE PIANO POLISH

Polymer-based polish that cleans, protects, and shines. It is water repellent, UV filtering and protects surfaces from minor scratches. It has a high solids content which fills in minor surface scratches, helping to restore the original surface.

No. 1455-8 - 8 oz. Spray. Each

No. 1455-32 - 32 oz. Bottle. Each



CLOTHS AND DUSTERS

MEGA DUSTER

This super size (20"x15") double weave cloth is a dust magnet. Cleans any high performance finish thoroughly and safely without scratching. Dampen with water or polish. Special fabric picks up the dust instead of recirculating it back into the air. Machine washable, packaged in a reusable ziplock pouch.

No. 1443C - Mega Duster. Each



DUST "N" BUFF MITT

One side dusts. . one side polishes! This handy mitt can super dust with genuine sheepskin and the flip over to polish with our fleece polisher material. Get all the dust out of your way easily before you tune. Works great on action rails, key beds, and sound boards. Hand washes for long lasting service.

No. 1447 - Dust "n" Buff Mitt. Each



EXCALIBUR POLISHING CLOTH

This suede microfiber cloth (16"x16") is a safe and non-abrasive elite polishing cloth for all high performance finishes. Machine washable, packaged in a reusable ziplock pouch.

No. 1443D - Excalibur Polishing Cloth. Each



CLEANER & POLISHER CLOTHS

A soft, thick weave, non-treated flannel cloth for application and final shining of all Cory polishers and cleaners. Machine washable. Becomes more absorbent after each washing. Comes in protective, reusable pouch.

No. 1443A - Cleaner Cloth. Each

No. 1443B - Polisher Cloth. Each



FINISHING SUPPLIES



H. Behlen & Bro.'s wood finishing products...



come from over a 100 year tradition of quality and expertise. Founded in 1888 by a

German-born chemist, the firm was first to manufacture finishing products used by European master craftsmen for the American woodworker. Behlen's extensive knowledge of furniture making and finishing has been behind the development of every product, and has made the Company an acknowledged leader in its field. Today, these products are top choices of professional and amateur craftsmen for easy, controlled applications, and beautiful results.

QUALARENU #1 AMALGAMATOR

A modern method of renovating an old cracked or alligatorated finish. May be brushed, sprayed or padded on the old surface. Eliminates the need for restaining and refilling with paste wood fillers. Will not work on polyurethane, epoxy or polyester finishes.

No. 1475 - Pint. Each



PARAFFIN OIL

A mineral oil used as a lubricant for rubbing with pumice or rottenstone. Saves both time and effort in the rubbing. Formulated with fine cutting oils.

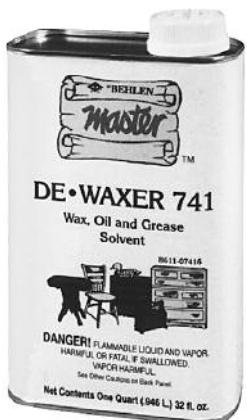
No. 1480 - Quart. Each



DE WAXER

Removes oil, wax & grease
Also used to remove wax deposits left after the use of removers. Cleans old finishes prior to restoration.

No. 1499 - Quart. Each



WOOL-LUBE

Wool-Lube is a specially formulated lubricant for preparing furniture before waxing and polishing. Superior for removing pack marks, soiling, or fingerprints. Furniture rubbed with Wool-lube can be recoated with lacquer with good adhesion. Water soluble, non silicone and fast clean up. Apply with steel wool, nylon pad or sandpaper.

No. 1414 - Pint. Each



ROTTENSTONE

One of the finest substances used in wood finishing. Primarily used to polish a lacquered or varnished surface after a coarse rubbing with Pumice Stone.

No. 410 - 1 lb. Container. Each



FINISHING SUPPLIES

DRY POWDERED ANILINE STAIN

Water/Alcohol Soluble

Ideal for refinishing & touch-up work. Rapid drying and will not raise the grain of the wood. When used by itself as a stain, it should be dissolved with wood alcohol; as a tinting medium, it should be dissolved in Behkol solvent. Available in a 2 oz. jar.



No. 450-300 - Golden Oak. Each

No. 450-310 - Dark Mahogany. Each

No. 450-321 - American Walnut. Each

No. 450-330 - Jet Black. Each

No. 450-343 - Lemon Yellow. Each

No. 450-378 - Cherry. Each

OZ CREAM POLISH®

Is excellent for all types of smooth surfaces: wood, marble, tile, leather, and painted or chrome metal. Is non-flammable, non abrasive, greaseless, quick drying, and contains no silicones. OZ® Cream Polish concentrated formula cleans, polishes and protects. Just apply, wipe, and buff up a beautiful sheen.

No. 1454 - Pint. Each

No. 1453 - Quart. Each



BURN-IN STICKS

Manufactured from the finest shellacs and resins. Will not lift out and accepts any type of over finish. May be used on any type of surface including marble. 7" long.

No. 407-001 - Dark Mahogany. Each

No. 407-003 - Light Brown Walnut. Each

No. 407-004 - Extra Dark Walnut. Each

No. 407-005 - Fruitwood/Oak. Each

No. 407-006 - Cherry. Each

No. 407-007 - White. Each

No. 407-008 - Black. Each

No. 407-009 - Maple. Each

No. 407-010 - Dark Amber. Each

No. 407-011 - Amber. Each

No. 407-012 - Clear. Each

No. 407-013 - Dark American Walnut. Each

No. 407-015 - Medium Mahogany. Each

No. 407-018 - Dark Cherry. Each

No. 407-818 - Burnt Umber. Each

No. 407-815 - Golden Oak. Each

No. 407-853 - Medium Brown Walnut. Each

No. 407-873 - Red Mahogany. Each

AEROSOLS

BLUSH ERASER®

Humid or cold weather can cause a finish to turn white or "blush". Behlen Blush Eraser reflows the lacquer and allows the trapped moisture to escape.

No. 1417-100 - 13 oz. Aerosol. Each



CLEAR LACQUER

Produces the finest air drying lacquer for the protection of tarnishable solid or plated metal.

No. 1438 - 12 oz. Aerosol. Each



SPRAY LACQUER

Especially formulated to enable the experienced as well as the novice to do a professional job. Two or three coats of the desired sheen will develop a durable, alcohol resistant lacquer finish. Dries quickly. The finish is alcohol resistant.

No. 1417-102 - 13 oz. Aerosol. Each

No. 1417-103 - 13 oz. Aerosol. Each



SANDING SEALER

One of the most versatile products used in furniture touch-up. Fills in and levels surface scratches, burn-in repairs, and smooths 'french padded' repairs. Fast drying. Seals in stains prior to final top coat of finish for faster build up.

No. 1417-104 - 13 oz. Aerosol. Each



FINISHING SUPPLIES

RUBBING MEDIUMS

DELUXING COMPOUND

A combination of waxes and buffing materials which produce a smooth, hard, mirror like finish. Recommended for use on lacquer, varnish, acrylic, or enamel finishes. Can be used on any shade of furniture including white. Will not harm the finest of finishes. Contains no silicones.

No. 1444 - 16 oz. Can. Each



RUBBING COMPOUND FOR THE FINAL RUBBING

A semi-paste, extra fine abrasive compound for rubbing down the final coat of lacquer, shellac or varnish. Removes minor surface imperfections and over spray on spot repairs.

No. 1445 - 16 oz. Can. Each



FINISH-RUB

An ultra fine paste rubbing compound. Applied with cloth or steel wool for buffing out surface scratches and other minor defects. Restores the luster of dull finishes on furniture.

No. 1446 - 16 oz. Can. Each



SCRATCH OFF

Hides scratches and minor imperfections on new or used furniture. Just spray, wait a minute and polish. Dark brown.

No. 1302DK - 13 oz. Aerosol. Each



SPECIALTY FINISH

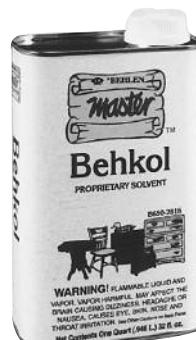


QUALASOLE - THE MODERN FRENCH POLISH

Qualasole requires no oil when polishing, padding, touching up, or renovating. Apply Qualasole with a pad to raw wood or over any cured shellac, varnish, lacquer, paint or enamel finish. A superior and more durable effect is obtained in one tenth of the time as compared to the old method.

No. 1484 - Quart. Each

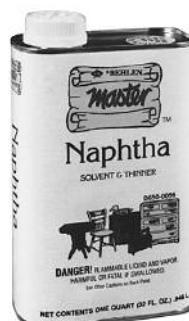
SOLVENTS



BEHKOL PROPRIETARY SOLVENT

Used to cut dry shellac, manufactured spirits, stains and varnishes.

No. 1449 - Quart. Each



NAPHTHA SOLVENT AND THINNER

Recommended reducer for Behlen Pore-O-Pac Wood Filler. Also may be used for paints, varnishes, enamels and general clean up of these finishes. Do not use for lacquers.

No. 1450 - Quart. Each

FINISHING SUPPLIES

JET SPRAY™ LACQUER TONERS

Especially formulated to enable the experienced as well as the novice to do a professional job. Unfinished and finished wooden arms, legs, scuffed and rubbed through areas can be finished with ease by simply applying the desired shades. If a more durable lasting finish is required, follow up with an application of Sanding Sealer and complete with clear lacquer in the desired sheen (gloss or satin). This product is economical, easily applied and dries quickly. 13 oz. can. Each

Available in the following colors:

- No. 1417-F26** - Flat Black
- No. 1417-G26** - Gloss Black
- No. 1417-S26** - Satin Black
- No. 1417-78** - Van Dyke Brown
- No. 1417-58** - Cherry
- No. 1417-L54** - Light Fruitwood
- No. 1417-32** - Brown Mahogany
- No. 1417-31** - Dark Mahogany
- No. 1417-29** - Medium Mahogany
- No. 1417-73** - Red Mahogany
- No. 1417-54** - Royal Maple
- No. 1417-15** - Golden Oak
- No. 1417-22** - Medium Oak
- No. 1417-09** - Dark American Walnut
- No. 1417-50** - Extra Dark Walnut
- No. 1417-53** - Medium Brown Walnut
- No. 1417-G04** - Gloss White



SHEFFIELD GOLDEAF QUIK SPRAY

Easy to apply to piano plates.

- No. 1417-60** - 10 oz Aerosol. Each



EPOXY PUTTY STICK

Contains resin and hardener in an easy to mix tube form. Break off a piece of the putty stick; knead it and apply to the surface. (10 minutes working time.) After 20 minutes the repair is cured and ready to be sanded, drilled, stained and finished. 1 oz. stick.

- No. 470-3** - Oak/Light Walnut. Each
- No. 470-5** - Cherry. Each
- No. 470-8** - Natural Maple. Each



ULTRA MARK™ 2000 MARKER

These valve type markers seal, stain and finish in one easy step. Ideal for edge and scratch recoloring. Touch Up Markers are available in many of the most popular shades and can be applied over wood fills, "rub throughs" or worn edges to create an invisible repair. Touch Up Markers may be used with all types of finishes without worry. Each

Available in the following colors:

- No. 1448-26** - Black
- No. 1448-78** - Brown Van Dyke
- No. 1448-58** - Cherry
- No. 1448-54** - Light Fruitwood
- No. 1448-32** - Brown Maple
- No. 1448-31** - Brown Mahogany
- No. 1448-20** - Light Red Mahogany
- No. 1448-29** - Dark Red Mahogany
- No. 1448-73** - Old World Mahogany
- No. 1448-44** - Dark Fruitwood
- No. 1448-15** - Light Golden Oak
- No. 1448-22** - Statesman Oak
- No. 1448-17** - Raw Umber
- No. 1448-07** - Medium Walnut
- No. 1448-09** - American Walnut
- No. 1448-50** - Extra Dark Walnut
- No. 1448-08** - Light Walnut
- No. 1448-04** - White

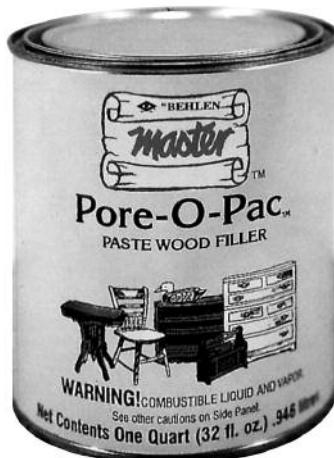
FINISHING SUPPLIES



BURN-IN BALM

Heat resistant paste used to prevent damage to surrounding finish while performing burn-in repair. 4 oz jar.

No. 1451 - Burn-In Balm. Each



PORE-O-PAC PASTE WOOD FILLER

Solvent base. Pore-O-Pac Paste Wood Filler is used for filling open grained wood. A fine blended mixture of silica, pigments and a suitable vehicle. It provides a smooth, glass-like surface for subsequent finishing coats. Quart can.

No. 1440A - Mahogany. Each

No. 1440C - Natural. Each

No. 1440D - Medium Brown Walnut. Each

No. 1440F - Grain Filler Reducer. Each



FILL STICKS

A rub-on wax pencil that fixes and eliminates scars, scratches, gouges, and abrasions on furniture, picture frames, leather, china, plastics and paneling. Accepts any type of top coat. Each

Available in the following colors:

No. 1447-08 - Black

No. 1447-06 - Cherry

No. 1447-05 - Fruitwood

No. 1447-17 - Light Mahogany

No. 1447-12 - Medium Mahogany

No. 1447-73 - Red Mahogany

No. 1447-09 - Maple

No. 1447-04 - Extra Dark Walnut

No. 1447-10 - Dark American Walnut

No. 1447-03 - Light Walnut

No. 1447-11 - Medium Brown Walnut

No. 1447-07 - White



SCRATCH REMOVER

Behlen Master Furniture Scratch Remover Markers are as easy as writing. As it permanently stains wood, it refinishes worn out spots and scratches on furniture, wall paneling, leather, vinyl, picture and mirror frames. Dries instantly! Each

Available in the following colors:

No. 1301-08 - Black

No. 1301-14 - Dark Brown

No. 1301-06 - Cherry

No. 1301-05 - Fruitwood

No. 1301-01 - Mahogany

No. 1301-73 - Red Mahogany

No. 1301-09 - Maple

No. 1301-13 - Natural

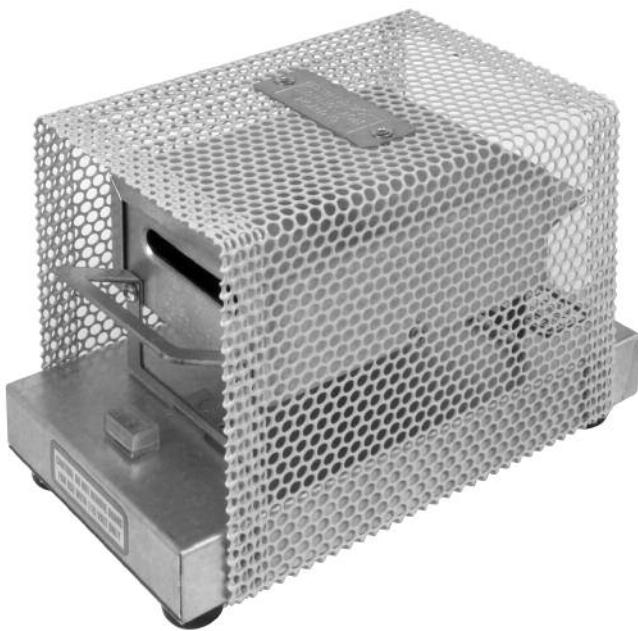
No. 1301-07 - Golden Oak

No. 1301-11 - Medium Brown Walnut

No. 1301-04 - Extra Dark Walnut

No. 1301-03 - Light Walnut

FINISHING SUPPLIES



ELECTRIC CEMENT KNIFE HEATER

Eliminates the hazard of fire where lacquers and shellacs are used. Heats to correct temperature in a few minutes and is maintained automatically.

No. 180 - Electric Knife Heater. Each



BURN-IN KNIFE

3" curved blade. 7" overall length. Hardwood handle.

No. 183 - Burn-In Knife. Each



BURN-IN KNIFE

3" spatula straight blade. 6-1/2" overall length.
Hardwood handle.

No. 182 - Burn-In Knife. Each



OPAL CEMENT KNIFE

Tool steel, holds heat. Chisel edge for fast smooth fill-in.
No. 1400 - Opal Cement Knife. Each



ELECTRIC BURN-IN KNIFE

An essential tool for the refinisher. It features rugged construction and long element life. Interchangeable blades are shaped so that small patches can be made and smoothed easily. 20 watts.

No. 80 - Burn-In Knife with Flat Blade only. Each

No. 80C - Curved Blade only. Each

No. 80F - Flat Blade only. Each



HEAT CONTROL UNIT

Use with the electric burn-in knife to regulate the heat of the blade as not to scorch or burn surface surrounding the repair. Also works with the electric oven. Eliminates the worry of an overheated knife.

No. 906 - Heat Control Unit. Each

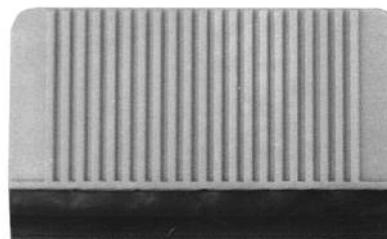


RUBBING AND POLISHING FELT

4" x 6" pads.

No. 319 - Fine White. 3/4" thick. Each

SPECIALTY ITEMS



GRAIN FILLER / SPREADER / LEVELER

This tool has a hand fitting shape and firm rubber base allows for a quick, easy and even application of grain fillers.

No. 414 - Each

FINISHING SUPPLIES



TRANSFER LETTERS

For identification or decoration. Can be transferred to wood or metal. Complete alphabet. 1/2" gold letters, black border.

No. 840 - Transfer Letters. Per set

STEEL WOOL

Made of long, resilient strands for more effective cleaning and polishing. 16 pads to a package.

No. 412-4/0 - Grade 4/0. Super Fine. Each
No. 412-3/0 - Grade 3/0. Extra Fine. Each
No. 412-2/0 - Grade 2/0. Very Fine. Each
No. 412-0 - Grade 0. Fine. Each
No. 412-1 - Grade 1. Medium Fine. Each
No. 412-2 - Grade 2. Medium Coarse. Each



ABRASIVE CORD

Round .055 diameter abrasive cord for deburring and cleaning agraffe holes or other hard to reach areas. Spool contains 50 feet.

No. 561 - Abrasive Cord. Each



HANDY "WIPE RAGS"

Here is that truly hard to find item. A first grade select quality wipe rag assortment. Good rags are hard to find but now this problem is solved. Big, soft, absorbent, economical, sterilized rags in assorted heavy & light weights. Packed in handy 10 lb. cartons.

No. 1310 - Per 10 lb. Carton. Each



DUST WIZARD

Attracts dust like a magnet...The professional's Dust Cloth. Uses no contaminating chemicals or oils. Environmentally safe. Washable...reusable...outlasts cotton. Each unit contains 3 large 12" x 18" cloths.

No. 1309 - Each

CHEESECLOTH

No. 1425 - 1-1/2 sq. yd. Each (not shown)

PUMICE STONE

Excellent quality American ground. Noted for its uniform grades. 1 lb. Packages. (not shown)

No. 411-O - Extra Coarse. Each
No. 411-FF - Medium. Each
No. 411-FFFF - Extra Fine. Each



WET OR DRY GARNET PAPER

A waterproof, flexible, finishing paper, coated with tempered garnet mineral, especially designed for use with water in sanding and rubbing varnished surfaces. Can also be used dry or with oil. 9" x 11" single-faced sheets.

No. 2/0 - Grit 2/0. Each
No. 4/0 - Grit 4/0. Each
No. 6/0 - Grit 6/0. Each



GARNET CABINET PAPER

Fine quality 3M brand for sanding. Not to be confused with ordinary sandpaper.

No. 1/2 - Grit 1/2. Each
No. 1 - Grit 1. Each
No. 1-1/2 - Grit 1-1/2. Each

KONIG REPAIR PRODUCTS

KONIG POLYKING POLYESTER REPAIR PRODUCTS



The Konig Company of West Germany is the European leader in the development and manufacturer of "State of the Art" refinishing and touch-up materials. Over 40 years ago, German piano makers started using polyester finishes - just in the past few years, German chemists have found a fool-proof way to fix them.

In the past, polyester repair was complicated by long curing times, unpredictable chemical reactions and a short shelf life for the polyester. Nowadays, a 9 month shelf life is guaranteed, but realistically, you can expect the polyester to last 18 months. Also, the hardening process only takes twenty minutes so you can see same day results.

For the past few years, Schaff has been the exclusive U. S. A. piano industry distributor of Konig polyester repair products. Just recently, a two hour instructional video was made that coordinates with the 22 page polyester repair manual, to show all of the aspects of polyester touch-up. With the Polyking Repair Kit, everything except a chisel and some tape is included to make fast, "factory perfect" repairs.

Polyester repair is the perfect partner to piano tuning and repair. For the young technician, polyester repair opens doors to new piano dealers and their customers. For the veteran technician, polyester repair provides a break for the ears. Alternating your appointments between tuning and polyester repairs means fewer tunings with more profit, since the going rate for a one visit repair is about 75% greater than for a piano tuning. You cannot make a better investment, as the cost of a Polyking Repair Kit is about the same as a couple of piano tunings.

Konig has a full range of products for the lacquer and polyester industry. Schaff maintains a stock of polyester based wood fillers, stains, high gloss touch-up pens, rubbing compounds, polishing liquids and Lack 20 polyester.

No. 441 - Polyking Repair Kit With Instructional DVD. Each

No. 439 - Polyking Repair Kit Only. Each

No. 1730F - Instructional DVD. Each

KONIG REPAIR PRODUCTS



POLYESTER LACQUER

Hardener included.

No. 442A - 100 ml., Approx. 4 oz. Bottle. Each
No. 442B - 500 ml., Approx. 17 oz. Bottle. Each
No. 442C - 1 Liter Approx. 34 oz. Bottle. Each



INTENSIVE BLACK COLOR

This is a special combination of pigment and dye designed to blend with polyester lacquer. Use this for most ebony finishes. 30 ml.

No. 443A - Intensive Black Color. Each



KANTEN-FIX GLOSS TOUCH-UP PENS

No. 457A - High Gloss Black Color. Each
No. 457F - Gloss Dark Walnut Color. Each
No. 457G - Gloss Red Mahogany Color. Each
No. 457H - Gloss Dark Red Mahogany Color. Each

PAINT BOX

Allows for a custom color match in moments.
Includes brush. (not shown)

No. 467 - Each



REX-LITH POLYESTER FILLER

No. 458B - White Color, 200 g. Each
No. 458C - Clear Color, 120 g. Each

RUBBING, POLISHING AND WAX COMPOUNDS

No. 445 - AP1 Rubbing Compound, 100 g. Each
No. 446 - AP2 Rubbing Compound, 100 g. Each
No. 447A - K03 Polishing Liquid, 150 ml. Each
No. 447B - K03 Polishing Liquid, 1 Liter. Each
No. 448A - BP4 Polishing Liquid, 150 ml. Each
No. 448B - BP4 Polishing Liquid, 1 Liter. Each
No. 462 - Menzerna Wax 6 Buffing Compound, 850 g. Each
No. 463 - Menzerna Wax 16 Buffing Compound, 850 g. Each

PLASTIC SHEETS FOR DAM CONSTRUCTION

(not shown)
No. 449 - 5 ea. 8" x 10". Per Pkg.

POLYESTER REPAIR MANUAL

(not shown)
No. 453 - 22 pages. Each

SANDPAPER

(not shown)
No. 454 - 500 Grit. Per sheet
No. 455 - 1,000 Grit. Per sheet
No. 456 - 1,500 Grit. Per sheet

CANTON BUFFING WHEELS

(not shown)
No. 465 - 8" wheel. Each
No. 466 - 10" wheel. Each

PLAYER PIANO SUPPLIES



THE FINEST IN MUSICAL INSTRUMENT LEATHERS AND RUBBERIZED CLOTHS

In conjunction with our supplier, Australia Felix Leather Company, we have successfully been able to fill the void of a domestic manufacturer not being able to provide different types of rubber cloth. In addition, we can now provide various silk backed cloths and kangaroo leathers. Even though costs are necessarily higher because of the need to import these materials, the response to the excellent quality has been extremely positive.



RUBBER CLOTH PRODUCTS

Only 100% natural rubber is used in the bonding of all of the following rubberized cloths.

MOTOR CLOTH

Made with double ply cotton, .012" thick and 53" in width.

No. 652 - Per Yard

THIN PNEUMATIC CLOTH

Made with superfine cotton backing, .008" thick and 59" in width.

No. 653 - Per Yard

THIN PNEUMATIC CLOTH

Stripped in 1-3/8" wide rolls that are 100 ft. Long.

No. 661 - Per Roll

MEDIUM BELLOW'S CLOTH

Made with 100% cotton, .030" thick and 60" in width.

No. 667 - Per Yard

HEAVY BELLOW'S CLOTH

Made with 100% brushed (fuzzy backed) cotton, .044" thick and 61" in width.

No. 658 - Per Yard

BELLOW'S CLOTH

Made with 100% cotton backed .020" thick and 63" in width.

No. 659 - Per Yard

DOMESTIC NYLON PNEUMATIC CLOTH



PNEUMATIC CLOTH

Nylon sheeting coated with polyurethane, .004" thick and 60" in width. Very thin, very flexible, very durable. Wine colored. Use P.V.C. Glue with this material.

No. 668 - Per Yard

PLAYER PIANO SUPPLIES

LEATHER

FULL SKINS ONLY



TAN IMPORTED

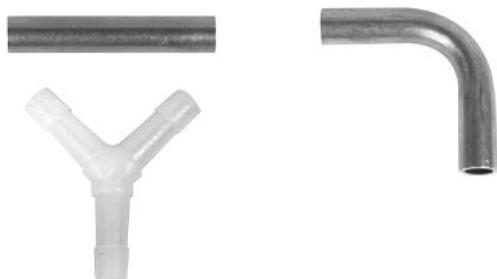
PNEUMATIC LEATHER

Thin substance for diaphragm or pouch leather for primary and secondary pouches. Medium and heavy substance for bellows and for covering air motors, switch pneumatics and striking pneumatics. Skins approximately 7 Sq. Ft. Each.
No. 676A - Thin Pneumatic Leather. Per Sq. Ft.
No. 676B - Medium Pneumatic Leather. Per Sq. Ft.
No. 676C - Heavy Pneumatic Leather. Per Sq. Ft.

ZEPHIR SKIN

Simili colon leather; moth proof. Prepared from ovine animal intestinal membrane. These skins are absolutely air tight, extremely flexible, and will stand indefinite wear without hardening or cracking. About .002" thick. 20" x 7" approximate size.
No. 670 - Zephir Skin. Each

TUBING CONNECTIONS



STRAIGHT BRASS CONNECTIONS

No. 602A - For 9/64" I.D. tubing. Each
No. 602B - For 3/16" I.D. tubing. Each
No. 601C - For 1/4" I.D. tubing. Each
No. 601D - For 3/8" I.D. tubing. Each
No. 601F - For 1/2" I.D. tubing. Each

90° BRASS ELBOWS

No. 604A - For 9/64" I.D. tubing. Each
No. 604B - For 3/16" I.D. tubing. Each

PLASTIC CONNECTIONS FOR TUBING

No. 601A - "Y" Connections for 9/64" tubing. Each

VALVE LEATHER



VALVE LEATHER

Tough tanned brown leather, rather stiff. Used mostly for reed organ bellows valves and player valves. Skins average 10 to 22 square feet. Sold by the full skin only.

No. 718 - Per Sq. Ft.

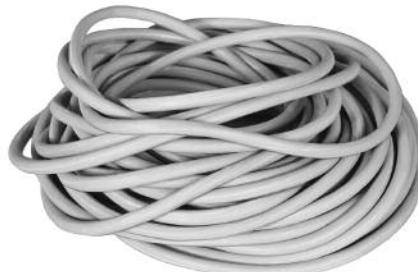
BELLOWS VALVE FLAPS

Same material as above but cut into strips for bellows valve flaps.

No. 717A - 3" x 15". Each

No. 717B - 2-1/2" x 14". Each

TUBING



BLACK NEOPRENE TUBING

Finest Grade. Per box

Stock #	Application	Inner Diameter	Wall Thickness	Box Quantity
606A	Tracker Bar	9/64"	1/32"	100 Feet
606B	Reproducers	9/64"	3/64"	100 Feet
605A	Expression Buttons	3/16"	3/64"	50 Feet
605B	Expression Buttons	1/4"	1/16"	20 Feet
605C	Controls	5/16"	1/16"	20 Feet
605D	Controls	3/8"	5/64"	13 Feet
605E	Controls	7/32"	3/64"	50 Feet

TWILL COVERED HOSE

The finest available. Per ft. (not shown)

Stock #	Inner Diameter	Wall Thickness
620B	1/2"	1/8"
620C	5/8"	1/8"
620D	3/4"	1/8"
620E	1"	5/32"
620F	1-1/8"	5/32"
620G	1-1/4"	5/32"
620H	1-1/2"	5/32"
620J	1-1/16"	1/8"
620K	7/8"	1/8"

PLAYER PIANO SUPPLIES

QRS STANDARD TESTER ROLL

88 note roll for player pianos.

No. 612 - Each



PLAYER ROLL TABS

For repair of player rolls.

No. 613 - Each



RUBBER MATTING

Corrugated; black; 1/8" thick; 36" wide.

No. 607B - Rubber Matting. Per Yard



PUMPING PEDAL MATS (NOT SHOWN)

Made of corrugated rubber. 4" x 10".

No. 607A - Pumping Pedal Mats. Pair



PLAYER PEDALS

Round caps in polished brass. Overall lengths: left pedal 9"; center pedal 11-1/4"; right pedal 10-1/2".

No. 643 - Set of 3

No. 643A - Per Pair



PLAYER PEDALS

Square caps in polished brass. Overall lengths: left pedal 8-3/4" center pedal 7-1/2"; right pedal 10".

No. 645 - Set of 3

No. 645A - Per Pair



LEATHER NUTS

Choice of six sizes.

Stock#	Diameter	Hole Diameter	
No. 603A	3/16"	.0635	Per 100
No. 603B	1/4"	.070	Per 100
No. 603C	5/16"	.070	Per 100
No. 603D	3/8"	.086	Per 100
No. 603E	7/16"	.0635	Per 100
No. 603F	1/2"	.0635	Per 100



TRACKER BAR CLEANER

Draws lint and dust out from tracker bar, and holds it in pump. No disturbance of piano necessary. Made of aluminum, with soft rubber nozzle. Removable dust screen.

No. 626 - Tracker Bar Cleaner. Each

No. 626A - Extra Rubber Nozzles. Each

No. 626B - Filter. Each

PLAYER PIANO SUPPLIES



SPOOL PINS

Take off spool end pins.

No. 614L - Straight for left side. Each



SPOOL ENDS

Replacement spool ends for player rolls.

No. 615L - Left ends. Each

No. 615R - Rights slotted. Each



PLAYER BLEED OR VENT CUPS

Brass vent caps.

No. 678 - Each



TRACKER BARS

85 note, solid brass, with sustaining loud pedal and double tracking holes. Overall length 13".

No. 610 - Each



FLAT STEEL SPRINGS

Outward pressure for pedals; 8 lbs. pressure 8" long.

No. 8008 - Each

Inward pressure for reservoirs.

No. 0880 - 8 lbs. pressure, 8" long. Each



TRANSPOSING TRACKER BAR

Same as No. 610 but has moving center for transposing, 85 note.

No. 690 - Each

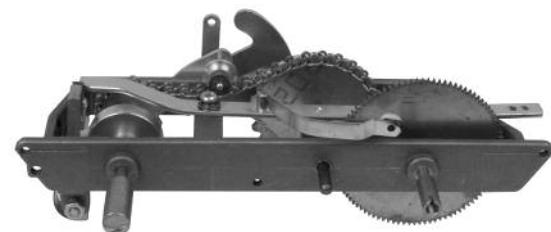


LADDER CHAIN

For player transmissions.

No. 609-4 - Four links per inch. Per Yard

No. 609-5 - Five links per inch. Per Yard



PLAYER PIANO TRANSMISSIONS

Now available. NEW player piano transmissions for replacements. Will fit most standard players with minor modifications. Specific measurements will be given on request.

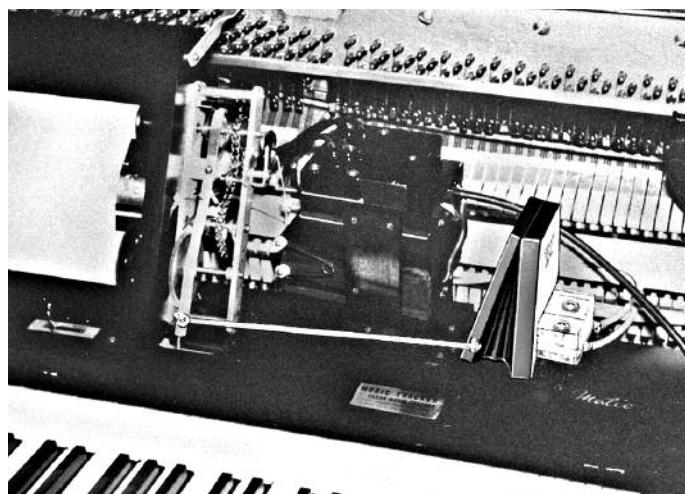
No. 624 - Complete Transmission. Each

PLAYER PIANO PUMP/AUTO REROLL UNIT



DELUXE SUCTION BOX KIT

Box size is 7-1/2" x 7-1/2" x 10". Motor noise can be reduced because instead of running at a pre-set speed, motor speed is in direct relation to the vacuum required. A switching signal on reroll reduces motor turnover to a minimum idle during rewind, then switches back to your preset volume on play. The motor runs cooler and with no noticeable sound on soft playing as well as reroll. Without using the method employed by this kit, a suction box would have to run the same fast speed and regulate vacuum only by restricting the flow, or bypassing. This has always accomplished the effect, but does not decrease the ever-present running noise of maximum motor speed. The tightness



of the player system will determine the setting of the volume knob. It can be turned up to full speed to produce 45 inches of vacuum. This kit comes complete with installation instructions. It has built-in check valves, so the original foot-pump feature remains operational. All pre-wired controls - just set box in place and drill one hole in original pump channel. Control panel mounts on underside of keybed with off/on switch, volume knob and rewind speed adjustment all in this one unit.

No. 621 - Player pump complete for hard to pump old players. Each

No. 623 - Automatic re-roll unit for Full Size Players Only. Each

REPLACEMENT PLAYER ITEMS

AMPICO REPLACEMENT PARTS

SWITCHES (All less lever, spring & pin).



No. 630 - Pedal Switch. Each

No. 631 - Modify Switch. Each

No. 632 - Repeat Switch. Each

No. 633 - On/Off Switch. Each

SLIDE VALVE, WITH SPRING
No. 634 - Each



TOOLS

Tracker Tube Puller.
No. 694 - Each



TRANSMISSION PARTS

No. 680 - Transmission Frame. Each



AEOLIAN COMPLETE PLAYER VALVE ASSEMBLY

No. 699 - Each



POUCH DISHING TOOL, VACUUM OPERATED

For production work.
No. 696 - Each



ORGAN SUPPLIES

STOP KNOBS

Black enamel finish.
No. 722 - Straight Front. Each
No. 723 - Beveled Front. Each



STOP RODS

Black. 9/16" dia.; 7-1/2" long, with shoulder.
No. 729 - Each



CELLULOID STOP FACES (NOT SHOWN)

7/8" in diameter.

No. 721-1 - Aeoline	No. 721-27 - Forte
No. 721-2 - Bass Coupler	No. 721-28 - Gamba
No. 721-3 - Bass Forte	No. 721-29 - Harp Aeoline
No. 721-4 - Bassoon	No. 721-30 - Horn
No. 721-5 - Bellows Signal	No. 721-31 - Melodia
No. 721-6 - Bourdon	No. 721-32 - Oboe
No. 721-7 - Celeste	No. 721-33 - Octave Coupler
No. 721-8 - Celestina	No. 721-34 - Orchestral Forte
No. 721-9 - Cello	No. 721-35 - Piano
No. 721-10 - Clarabella	No. 721-36 - Piccolo
No. 721-11 - Clarinet	No. 721-37 - Principal
No. 721-12 - Cor Anglais	No. 721-38 - Principal Forte
No. 721-13 - Cornet	No. 721-39 - Sub Bass
No. 721-14 - Coupler	No. 721-40 - Swell
No. 721-15 - Cremona	No. 721-41 - Treble Coupler
No. 721-17 - Diapson Bass	No. 721-42 - Treble Forte
No. 721-18 - Diapson Forte	No. 721-43 - Tremolo
No. 721-19 - Diapson Treble	No. 721-44 - Trumpet
No. 721-20 - Dolce	No. 721-45 - Viola
No. 721-21 - Dulcet	No. 721-46 - Viola Dolce
No. 721-22 - Dulciana	No. 721-47 - Violin
No. 721-23 - Echo	No. 721-48 - Voix Celeste
No. 721-24 - Echo Horn	No. 721-49 - Vox Humana
No. 721-25 - Flute	No. 721-50 - Vox Jubilante



REED HOOK

For withdrawing organ reeds. Screw driver end. Coppered iron. 8" long.

No. 713 - Each



VALVE SPRINGS

Fine imported quality.

No. 719A - 3-1/2" long. Dozen

No. 719B - 4-1/2" long. Dozen

PALLET RODS

Made of maple. 3/16" dia.; 5-1/4" long.
No. 706 - Each

REED SCRAPER

For tuning reeds. 11" long.
No. 714 - Each



SHEEPSKIN LEATHER

Very best full size sheepskins. Imported white alum tannage. Acid free; non corrosive. **SOLD IN FULL SKINS ONLY.** Average skin 8 square feet.

No. 670-1/2 - Gusset, imported white alum tannage. Per Sq. Ft.

No. 671 - Pallet; Lambskin; thin, soft and fine; for Pitman, Chime pneumatics. Per Sq. Ft.

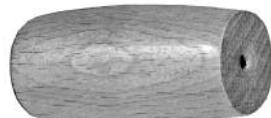
No. 673 - Bellows rib. Medium thickness; stiff. Per Sq. Ft.

No. 675 - Genuine skin packing; brown fleshers; buffed one side. Per Sq. Ft.



ORGAN PEDAL WEBBING

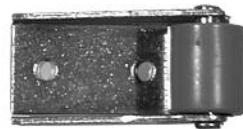
For reed organ pedal straps and hinges on large pneumatics, swells and equalizers. 2" wide. White: herringbone weave; extra-strong; tightly woven.
No. 716 - Per Yard



ORGAN ROLLERS

Made of select hardwood.

No. 701 - Set of 4



ORGAN CASTERS

Made of quality pressed steel.

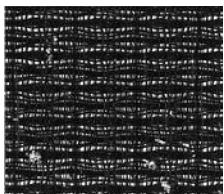
No. 720 - Set of 4 Casters. Per Set

DECORATOR FABRICS

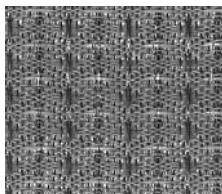
DECORATOR FABRICS

For repairing pianos, organs and entertainment furniture

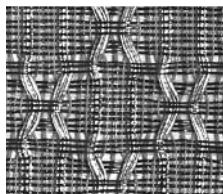
A high quality line of fine fabrics, woven with monofilament fibers. These fibers produce fabrics rigid enough to retain their shape without sagging or buckling. A combination of synthetic and natural fibers. Cover backs of uprights, spinets and organs. 72" wide. Sold by the linear yard. *Swatches available upon request.*



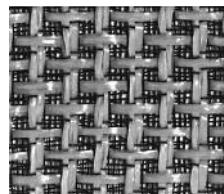
No. B-6000 -
Black and rich in color. A natural for use with Ebony finishes or to contrast. Per Yard



No. B-6003 -
Oak and white woven together for a fine blend in decorative fabric. Light in tone. Per Yard



No. B-6004 -
Elegant warm brown fabric, especially good match for Walnut and Mahogany finishes. Per Yard



No. C-4216 -
Popular cane weave fabric. Proven to be most adaptable for replacements. Per Yard

PIANO RELATED BOOKS

HOW TO BUY A GOOD USED PIANO

By Willard Leverett. A 70 page paperback that lets the buyer be aware of pros and cons in the used piano market. Well illustrated, this concise text could alter the piano buyer from potential disappointment.

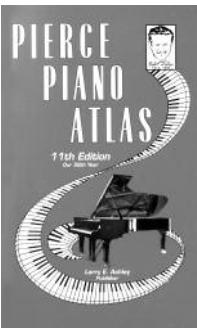
No. 1605 - Each



PIERCE PIANO ATLAS (11TH EDITION)

Published by Larry Ashley. The Bible of the piano industry. Includes nearly 12,000 names of piano makers, piano serial numbers, dates of manufacture, factory location, and other pertinent information. Paperback.

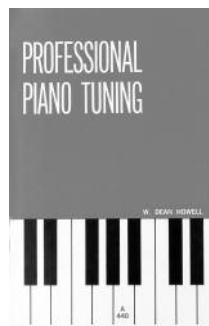
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PROFESSIONAL PIANO TUNING

By W. Dean Howell. A practical and scientific approach to the subject of tuning, written to bridge the gap between knowledge and performance. 127 pages.

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PIANO TUNERS POCKET COMPANION

By Oliver C. Faust. A historical and descriptive book on grand and upright actions, giving faults and how to correct them. Also contains theory on tuning. 132 pages.

No. 1613 - Each

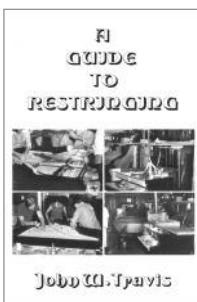


PIANO RELATED BOOKS

A GUIDE TO RESTRINGING

By John W. Travis. Crammed full of valuable data on "how to do" the various jobs called for in the process of stringing pianos...and complete with charts, reference, index and a chapter on tuning with illustrated tables and visual aides. Also contains over 350 separate stringing scales. 288 pages. A MUST for restringers!

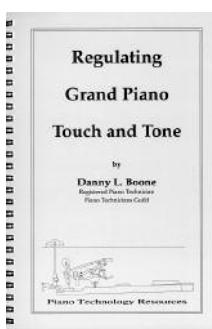
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REGULATING GRAND PIANO TOUCH AND TONE

By Danny Boone. Covers every phase of grand regulating and voicing. Invaluable for the beginning technician or the experienced craftsman. 207 pages with 55 photos.

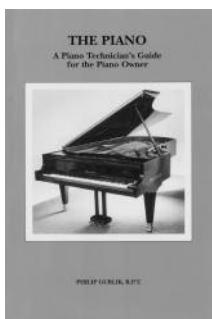
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THE PIANO - A PIANO TECHNICIANS GUIDE FOR THE PIANO OWNER

By Philip Gurlik. 32 page booklet aimed at assisting the piano owner in understanding the instrument and why it needs a great deal of attention. Deals with tuning, humidity, regulation and rebuilding.

No. 1631 - Each



STEINWAY SERVICE MANUAL

By Max Matthias. A guide to the care and maintenance of a Steinway piano. 152 pages with many illustrations. Text is in English and German.

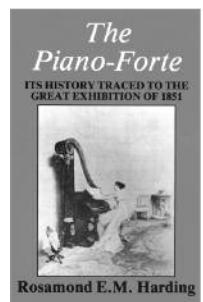
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THE PIANO FORTE

By Rosamond E. M. Harding. A comprehensive treatment of the development of the pianoforte until the middle of the 19th century at which point the instrument which we know today was almost completely evolved. The book starts with the almost simultaneous invention of the pianoforte in Germany, France, and Italy early in the 18th century, and traces technical development over the next 100 years. 450 pages.

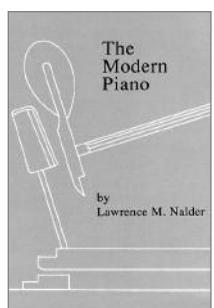
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THE MODERN PIANO

By Lawrence Nalder. 192 pages. Reproduced from the original 1927 edition. Provides fascinating insight into many of the things that go into the design & making of a piano. It also contains much technical information of interest to the more serious student.

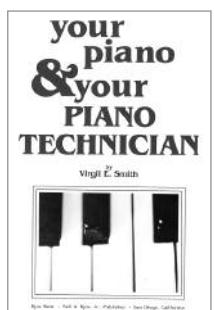
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YOUR PIANO & YOUR PIANO TECHNICIAN

By Virgil Smith. A 56 page booklet by a renowned member of the Piano Technicians Guild. Helps the reader to know what to ask for and how to secure the piano service necessary to keep an instrument functioning at its full potential year after year.

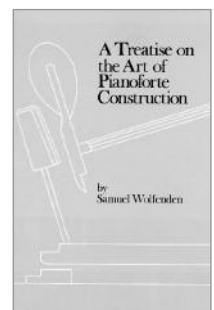
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A TREATISE ON THE ART OF PIANOFORTE CONSTRUCTION

By Samuel Wolfenden. The author was well known to piano makers in the opening decades of this century. An ingenious and practical man who contributed considerably to the development of the modern piano. For the piano builder or the piano rebuilder, this is one of the finest, most informative books available. A classic which should be in every serious technician's library. 272 pages.

No. 1653 - Each

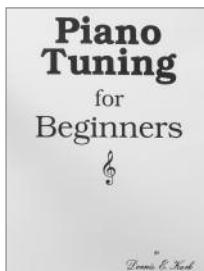


PIANO RELATED BOOKS

PIANO TUNING FOR BEGINNERS

By Dennis E. Kurk. An engaging 8-1/2" x 11", 26 page paper bound edition written by a member of the Piano Technicians Guild. The outstanding feature of this work is its simplicity. Certainly any student tuner would find this book helpful.

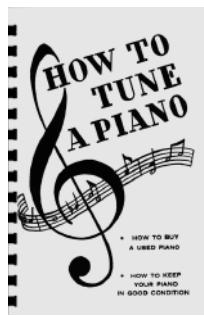
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HOW TO TUNE A PIANO

By H. Staunton Woodman. This 67 page spiral bound paperback discusses in easy-to-understand terms the fundamentals of piano tuning. In addition, there are sections on "how to buy a used piano," "how to keep your piano in good condition," "the worth of the Conn-Strobotuner" and "basic grand and upright action regulation."

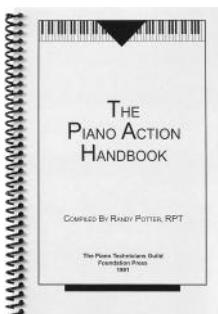
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PIANO ACTION HANDBOOK

Compiled by Randy Potter for the Piano Technicians Guild Foundation. Regulation specifications for 132 pianos, as well as regulation procedures and checklists for vertical and grand pianos. 76 pages.

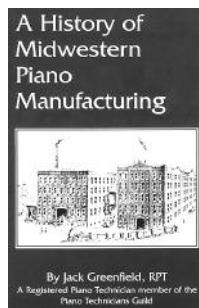
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A HISTORY OF MIDWESTERN PIANO MANUFACTURING

By Jack Greenfield, RPT. A 156 page review of historical information about piano manufacturing in the midwest United States from 1834 to the end of operations at Kimball Piano Division in 1996.

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THE PIANO - ITS ACOUSTICS

This 193 page book by Professor of Physics, W. V. McFerrin, gives the highly technical details of the relationships of forces in a piano, and how they relate to the production of tones. The volume is an extremely important work for those persons who want to know the mathematical aspects of the piano.

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PIANO SERVICING TUNING & REBUILDING

By Arthur A. Reblitz. This book is the classic manual for Piano technicians the world over. The original edition was published in 1976 and the new & expanded second edition was published in 1993. Hundreds of illustrations & photographs.

Paperback only.

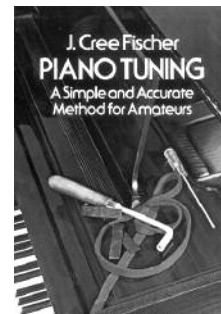
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PIANO TUNING

By J. Cree Fischer. 17 Lessons beginning with notes on the general construction of the piano, regulating and repairing, setting the temperament, the study and practice of piano tuning and also tuning and repairing reed organs. Also, a lesson on professional hints.

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THE PIANO BOOK

By Larry Fine. A 244 page 4th edition guide to buying a new or used piano. The author is a registered craftsman member of the Piano Technicians Guild. Lots of general information for the potential piano buyer and anyone involved in sales or service of pianos.

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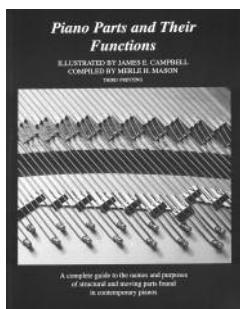


PIANO RELATED BOOKS

PIANO PARTS AND THEIR FUNCTIONS

By Merle Mason. Published by the Piano Technicians Guild. This 98 page book describes in illustration all of the parts of the piano. A valuable source book for the pianist, teacher, and piano dealer.

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BUT YOU CAN FEEL IT

By Emil Fries. The life story of Mr. Fries, from his boyhood in a log cabin, through his struggles for an education, to international recognition in vocational training of the visually impaired. The book also presents the importance of piano care and a better understanding of both the blind and partially blind.

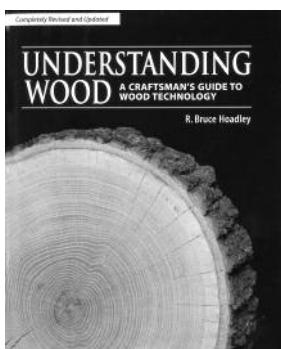
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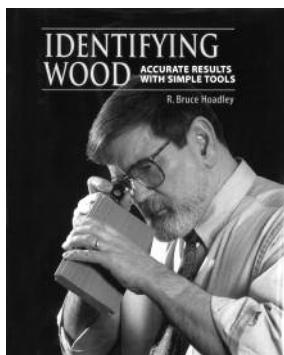
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IDENTIFYING WOOD: ACCURATE RESULTS WITH SIMPLE TOOLS

By R. Bruce Hoadley. How to identify over 100 species of hardwoods, softwoods, and tropical woods most commonly encountered in North America. 240 pages.

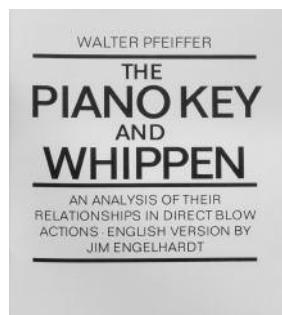
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THE PIANO KEY AND WHIPPEN

By Walter Pfeiffer. An analysis of their relationships in direct blow actions. This is the English version by Jim Englehardt. Hard back, 72 pages, 39 illustrations Highly technical.

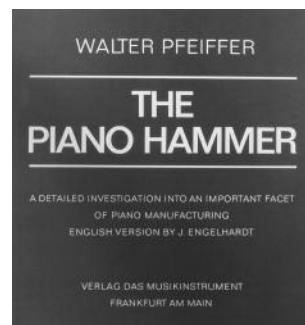
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THE PIANO HAMMER

By Walter Pfeiffer. A detailed investigation of piano manufacturing. Various types of actions are discussed relative to how they activate the hammer. There is also a section on hammer weights. This is the English version by Jim Englehardt. 180 pages, 91 drawings.

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GRAND VOICING

By Franz Rudolf Dietz. A discussion on how to needle, file, and voice a new set of hammers. 16 instructive photographs.

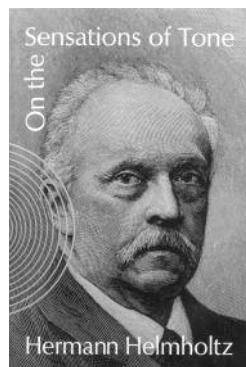
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ON THE SENSATIONS OF TONE

By Hermann Helmholtz. One of the world's greatest scientific classics. Nearly a century after its first publication it is still a standard text for the study of physiological acoustics - the scientific basis of musical theory. Difficult scientific concepts are explained simply and easily for the general reader. 576 pages, profusely illustrated, 6-1/8" x 9-1/4", paperback.

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PIANO RELATED BOOKS

TAGE FRID TEACHES WOODWORKING - SHAPING, VENEERING, FINISHING

A fine woodworking book, Tage Frid, the dean of American woodworking teachers, distills into 210 pages step-by-step instructions on all the fundamentals a beginner needs to know. Contains over 700 detailed illustrations. Hardback, 9" x 11-1/2"

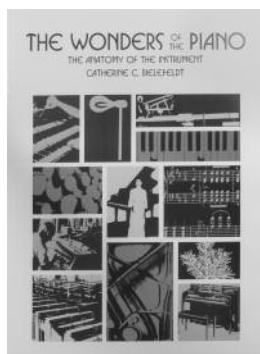
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THE WONDERS OF THE PIANO

By Catherine C. Bielefeldt. An interesting insight into the building of a piano. Excellent photographs show the great variety of raw materials, and manufacturing processes that are utilized to create this complicated and marvelous instrument. This will prove to be a reference book of lasting interest. 9" x 12" paperback. 128 pages.

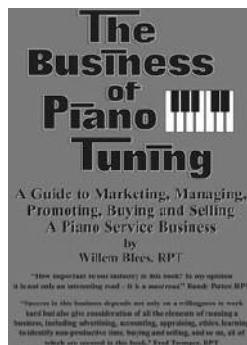
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THE BUSINESS OF PIANO TUNING

By William Blees, RPT. A Guide to Marketing, Managing, Promoting, Buying and Selling a Piano Service Business. A 30+ year veteran of our profession, Blees has built businesses in three cities, owned and sold a well-known rebuilding shop and store, and is qualified to share his insights on marketing, managing, promoting, buying and selling a piano business.

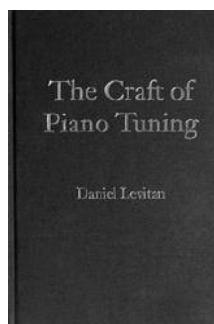
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THE CRAFT OF PIANO TUNING

By Daniel Levitan. A complete guide to the craft of piano tuning, covering both its aural and manual aspects. At the heart of each of the book's two parts, The Tuner's Ear and The Tuner's Hand, is an essay explaining in detail the standard practices of piano tuning in terms of their underlying acoustics and mechanics.

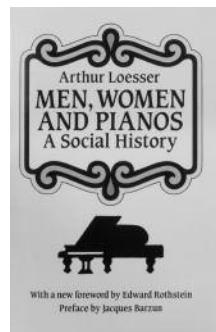
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By Arthur Loesser. This remarkable 654 page book is a study of the piano and how it relates to society today, and back through 350 years of western civilization. Mr. Loesser was a careful historian, as well as an outstanding musician and linguist. His keen analysis of the ways of men and music provides a fascinating tale.

No. 1727 - Each



AURAL PIANO TUNING

By Rick Butler. This 90 page book discusses aural piano tuning techniques. This is truly a great book for individuals wishing to take and pass the RPT Exam.

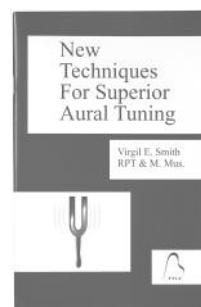
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NEW TECHNIQUES FOR SUPERIOR AURAL TUNING

By Virgil E. Smith & M. Mus. A guide to achieving the highest standard of aural tuning with a detailed description and a complete listing of steps involved in meeting this standard.

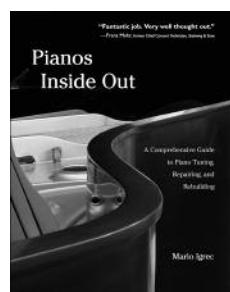
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PIANOS INSIDE OUT

By Mario Igrec. An in-depth look at the history, design, and maintenance of the piano, and provides practical, step-by-step guidance to anyone who wants to learn how to tune, repair, regulate, voice, rebuild, or improve the action performance of pianos.

No. 1750 - Each

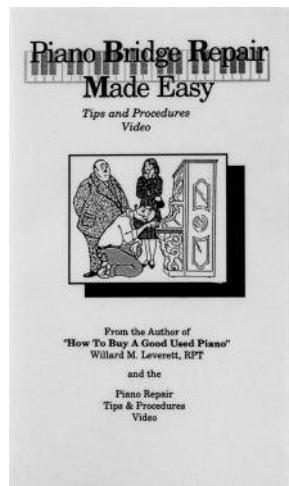


PIANO VIDEOS

PIANO BRIDGE REPAIR MADE EASY

By Willard M. Leverett. This DVD provides close-up views of 3 actual bridge repair. It also shows essential tools and materials, hazards to avoid, repairable and non-repairable bridges, and string splicing made easy.

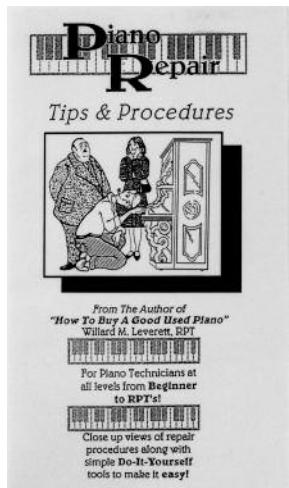
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PIANO REPAIR TIPS & PROCEDURES

By Willard M. Leverett RPT. This DVD is for technicians of all levels - from the beginner to the RPT. All areas covered including climate control.

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HOW TO BUY A GOOD USED PIANO: THE VIDEO

By Will Leverett, author of the best selling book of the same title. Now offers a step by step DVD version showing you how to inspect a piano and detect problems before you purchase.

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SCHOOL OF PIANO TECHNOLOGY VIDEOS

By Randy Potter
DVD.

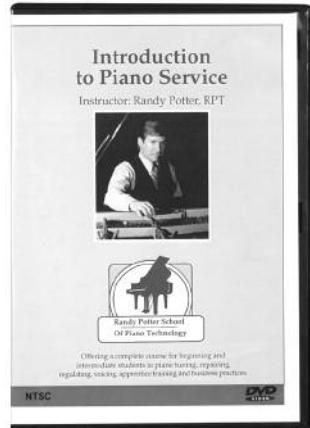
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No. 1730B - Basic and Intermediate Tuning Techniques. Each

No. 1730C - Basic and Intermediate Repair Techniques. Each

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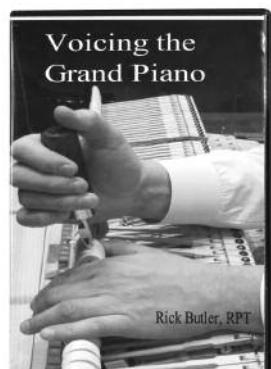
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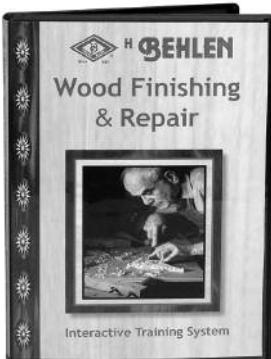
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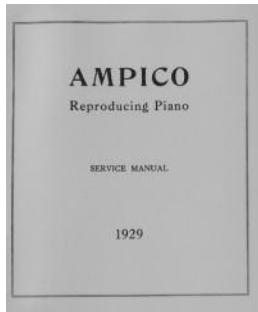
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AMPICO SERVICE MANUAL

A reprint of the 56 page 1929 manual on servicing the Ampico Reproducing Mechanism, complete with original illustrations and tubing schemes.

No. 1608 - Each



DUO-ART SERVICE MANUAL

A reprint of the 48 page 1927 manual on servicing the Duo-Art Reproducing Mechanism, complete with illustrations and tubing schemes.

No. 1609 - Each



THE AMPHION PLAYER ACTION

A re-print of the original booklet concerning the workings of the Amphion Action.

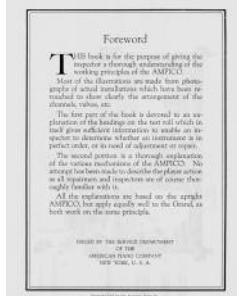
No. 1621 - Each



AMPICO 1923 INSPECTORS REFERENCE BOOK

Original illustrations, tubing schemes. All explanations are based on the upright Ampico but apply as well to grand models made prior to 1929. 20 pages.

No. 1624 - Each



AUTOPIANO PLAYER

PIANO POINTERS

An especially informative booklet on regulation, action removal, timing the motor, detecting leaks, etc. 31 pages, illustrated.

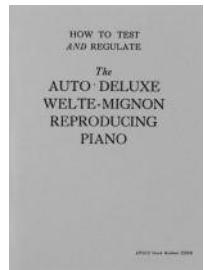
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WELTE-MIGNON ACTION

Reprint of the 48 page book of instructions on "How to Test & Regulate the Auto-Deluxe Welte-Mignon Reproducing Piano."

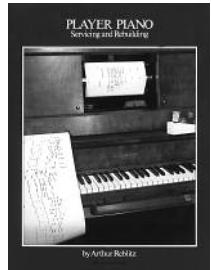
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PLAYER PIANO SERVICING AND REBUILDING

By Arthur Reblitz. A superb book that touches on every aspect of its title. 8-1/2" x 11", 216 pages, profusely illustrated with fine photographs and diagrams. The most comprehensive book on the subject ever written. Those with casual or professional interest in player pianos will find this book fascinating and indispensable. Paperback.

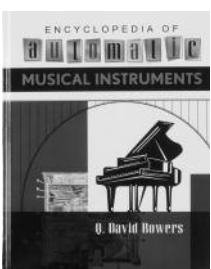
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ENCYCLOPEDIA OF AUTOMATIC MUSICAL INSTRUMENTS

By Q. David Bowers. This is the greatest book ever produced in the field of automatic music, with over 1,000 pages literally jammed with historic information covering musical boxes, band and fair organs, player pianos, roll-played pipe organs, reproducing pianos and musical toys. The six pound reference book was selected by the American Library Association as one of the outstanding "Reference Books of the Year", an honor accorded very few volumes.

No. 1656 - Each



PRINCIPLES OF PLAYER ACTION OPERATION

Written for the Standard Pneumatic Action, but it is equally valuable to gain an understanding of all makes. This is the most comprehensive booklet of 46 pages ever published on the principles and servicing of the pump type player. Tells how they work and how to make repairs.

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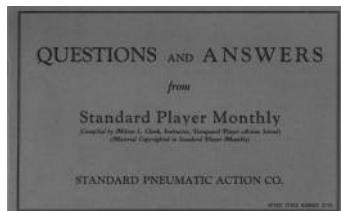


PLAYER PIANO AND ORGAN BOOKS

QUESTIONS AND ANSWERS

This 10 page pamphlet is especially useful for beginners in player work. It consists of a compilation of 213 of the most often asked questions and their answers.

No. 1664 - Each



SIMPLEX PLAYER ACTION

This 40 page paper-bound booklet is a reprint of the service manual for the Simplex player action, which was one of the most common player mechanisms installed in pianos during the 1920's.

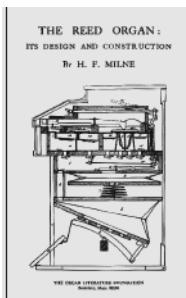
No. 1666 - Each



THE REED ORGAN: ITS DESIGN AND CONSTRUCTION

By H. F. Milne. This 168 page soft-bound book details a vast amount of information of how reed organs are constructed. It is a practical guide for craftsmen with instructions for making new reed organs and chapters are included on tuning and voicing.

No. 1673 - Each



PRESTO BUYER'S GUIDE 1926

The blue book of American musical instruments - pianos, players, reproducing pianos and their manufacturers. Published in 1926 this 170 page hardback book is an excellent reference book from the hey-day of the player piano.

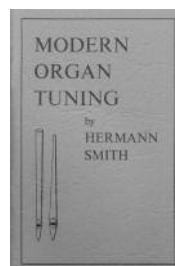
No. 1674 - Book. Each



MODERN ORGAN TUNING

By Herman Smith. An engaging "How and Why" discussion of the development of the pipe organ, and the nature of the organ. Tuning procedure and scientific principles of organs are discussed in an interesting manner. 120 pages.

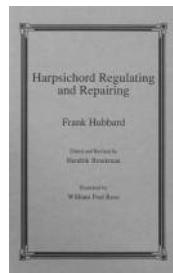
No. 1706 - Each



HARPSICHORD REGULATING & REPAIRING

By Frank Hubbard. A treatise on tonal design of antique harpsichords, antique harpsichord actions, action regulation, repairs and tuning. Many fine illustrations.

No. 1707 - Each



AMPICO 1919 MANUAL WITH 1920 SUPPLEMENT

This rare book goes into detail about the operating principles of the Ampico action. Includes many illustrations and diagrams.

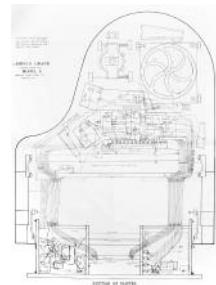
No. 1708 - Each



AMPICO MODEL A TUBING CHART

Blueprint of the tubing for the model A Ampico grand, which is equally useful for uprights. Made from an original factory print. Although the clarity of this reproduction is not as good as desired, it is the best available, and will be helpful in servicing these old instruments. The name "Amphion" appears on the prints, and this is the name of the firm that made the original Ampico.

No. 1709 - Each



WELTE-MIGNON (Licensee) TUBING CHARTS

Expression devices and tubing charts separately illustrated for both upright and grand Welte-Mignon (Licensee) Models.

No. 1711 - Each



SCHULZ PLAYER ACTION MANUAL

A reprint of this 1922 manual published by M. Schulz Co. The Schulz action is commonly found, and can be troublesome to service because of its odd valve action.

No. 1712 - Each



THE OPERATION OF THE STANDARD REPRODUCING GRAND ACTION

For use with Recordo rolls. A thorough explanation, complete with tubing chart, of another version of the well known Recordo expression system. Illustrated.

No. 1713 - Each



PIANO RELATED DECIMAL EQUIVALENTS

Tuning Pins	
Size	Decimal
1/0	.276
2/0	.282
3/0	.286
4/0	.291
5/0	.296
6/0	.301
7/0	.307

Catalog Page #95

Hammer Shank Drills	
Size	Decimal
3/16	.1875
13/64	.2031
#5	.2055
#3	.2130
7/32	.2188
#2	.2210
#1	.2280

Catalog Page #49

Tuning Pin Drills	
Size	Decimal
E	.250
F	.257
G	.261
H	.266
I	.272
J	.277
K	.281
7.25MM	.286

Catalog Page #62

Piano Wire	
Size	Decimal
12	.029
12 1/2	.030
13	.031
13 1/2	.032
14	.033
14 1/2	.034
15	.035
15 1/2	.036
16	.037
16 1/2	.038
17	.039
17 1/2	.040
18	.041
18 1/2	.042
19	.043
19 1/2	.044
20	.045
20 1/2	.046
21	.047
21 1/2	.048
22	.049

Catalog Page #94

Center Pins	
Size	Decimal
18	.046
18 1/2	.047
19	.048
19 1/2	.049
20	.050
20 1/2	.051
21	.052
21 1/2	.053
22	.054
22 1/2	.055
23	.056
23 1/2	.057
24	.058
24 1/2	.062
25	.063

Catalog Page #98

Bridge Pins	
Size	Decimal
6	.076
7	.086
8	.096
9	.109
10	.135

Catalog Page #97

WOOD SCREW DIMENSIONS

Screw Size	Maximum Head Diameter	Shank Diameter		Pilot Hole Size	
		Decimal	Nearest Fractional Mesurement	Hard Wood	Soft Wood
2	.172	.086	3/32	1/16	1/16
3	.199	.099	7/64	5/64	1/16
4	.225	.112	7/64	5/64	1/16
5	.252	.125	1/8	3/32	5/64
6	.279	.138	9/64	7/64	3/32
7	.305	.151	5/32	7/64	3/32
8	.332	.164	5/32	1/8	7/64
9	.358	.177	11/64	9/64	1/8
10	.385	.190	3/16	9/64	1/8
12	.438	.216	7/32	5/32	9/64
14	.491	.242	1/4	11/64	5/32
16	.544	.268	17/64	3/16	11/64
18	.597	.294	19/64	7/32	13/64
20	.650	.320	5/16	15/64	7/32
24	.756	.372	3/8	17/64	1/4

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Date: _____ / _____ / _____

Customer #: _____ Customer Name: _____

Make of Piano: _____ Model: _____ Size/Length: _____

Serial Number: _____ Type: (Grand / Upright)

Instructions: Carefully remove the first and last hammer in each section and number them as they lie in the scale. We prefer that you send the samples with the shanks attached. We will remove the shanks and determine the measurements.

State how many hammers are in each section.

Bass: _____ Tenor: _____ Treble: _____

Using Existing Shanks: (Yes / No) (New Shanks) Specify Stock #: _____

Specify Fit: (Snug / Loose) Manufacturer: Abel "Royal Blue" / Imadegawa

Fill out the following if you are NOT sending samples

Overall Length: _____ Bass: _____ Treble: _____

Striking Distance: _____ Bass: _____ Treble: _____

Bore Diameter: _____ Degree of Pitch/Rake (if any): _____

Weight of Felt: (15 or 17 Lb.)

19 Lb. only available for Grand Hammers

Bass Hammers

Hammer #	Angle
(First Bass Hammer) _____	_____ °
(Last Bass Hammer) _____	_____ °

Tenor/Treble Hammers

Hammer #	Angle
(First - Second Section) _____	_____ °
(Last - Second Section) _____	_____ °
(First - Third Section) _____	_____ °
(Last - Third Section) _____	_____ °

*If applicable (First - Fourth Section) _____

*If applicable (Last - Fourth Section) _____

Comments _____

Customer Signature _____

Schaff Piano Supply - Application for Credit

Name of Firm
or Individual _____

How long at
this address: _____

Address _____

Phone #: _____

City, State, & Zip _____

Fax #: _____

The above-mentioned hereby applies for credit in accordance with the terms of:

Schaff Piano Supply Co., 451 Oakwood Road, Lake Zurich, IL 60047
Phone: 847-438-4556 Fax: 847-438-4615

Normal Credit Terms: Net 30 days

Please furnish complete names, address and zip codes, as well as complete account numbers where applicable.
The information provided will be held in the strictest confidence.

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Corporation
Partnership
Individual

If corporation, owners name: _____
Date Incorporated: _____

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Name of Bank

Address

City, State, & Zip

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Account #'s _____

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	Name	Address	City, State, & Zip	Fax #
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____

I/We certify that all information on this form is correct, and that we fully understand your credit terms and agree
to the proper payment in consideration of extended credit.

Signed: _____

Date: _____

BANK RELEASE AUTHORIZATION

To Whom it may concern:

Re: Schaff Piano Supply Co.
451 Oakwood Road
Lake Zurich, IL 60047

This Shall Constitute your full and sufficient authority to release
any and all information which may be required by the above described
Schaff Piano Supply Company to enable them to complete a credit
check in my name.

My accounts held at your branch: Checking Acct. # _____

Savings Acct. # _____

Signed _____

Date _____

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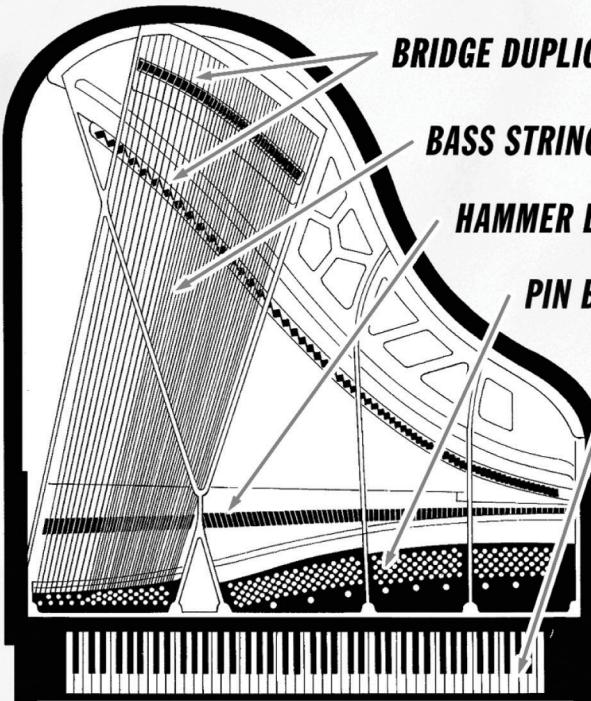
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